

# CHANGE

the rules of networking.



HP is changing the rules of networking with a full portfolio of standards-based, integrated solutions and services developed specifically to solve the complexities of the extended enterprise.

Series guide



# Table of contents

## A-Series products

### Modular switches

HP A12500 Switch Series . . . . .	5
HP A9500 Switch Series . . . . .	6
HP A7500 Switch Series . . . . .	7

### Fixed-port switches

HP A5820 Switch Series . . . . .	8
HP A5810 48-BT, 2 SFP+ Slots AC Switch . . . . .	8
HP A5800 Switch Series . . . . .	9
HP A5500G EI Switch Series . . . . .	10
HP A5500G SI Switch Series . . . . .	10
HP A5120G EI Switch Series . . . . .	11
HP A5120G SI Switch Series . . . . .	11
HP A3610 Switch Series . . . . .	12
HP A3600 EI Switch Series . . . . .	12
HP A3600 SI Switch Series . . . . .	13
HP A3100 EI Switch Series . . . . .	13
HP A3100 SI Switch Series . . . . .	14

### Routers

HP A8800 Router Series . . . . .	15
HP A6600 Router Series . . . . .	16
HP A-MSR50 Series . . . . .	17
HP A-MSR30 Series . . . . .	18
HP A-MSR20 Series . . . . .	19
HP A-MSR20-1x Series . . . . .	20
HP A-MSR900 Series . . . . .	21

### Access controller modules

HP Access Controller Module Series . . . . .	22
--	----

### Wireless controllers

HP A-WX5000 Access Controller Series . . . . .	23
HP A3000G Wireless Switch Series . . . . .	23

### Wireless access points

HP A-802.11n Access Point Series . . . . .	24
HP A-802.11a/b/g Access Point Series . . . . .	24

### Wireless bridges

HP Wireless Workgroup Bridge . . . . .	25
HP 802.11a Integrated Outdoor Bridge and Access Point . . . . .	25

### Management software

HP Intelligent Management Center Standard Software Platform . . . . .	26
HP Intelligent Management Center Enterprise Software Platform . . . . .	26
HP A-IMC Network Traffic Analyzer Software . . . . .	26
HP A-IMC User Behavior Auditor Software . . . . .	26
HP A-IMC QoS Manager Software . . . . .	26
HP A-IMC User Authentication Management Software . . . . .	26
HP A-IMC Endpoint Admission Defense Software . . . . .	26
HP A-IMC Wireless Service Manager Software . . . . .	27

HP A-IMC MPLS VPN Software . . . . .	27
HP A-IMC Voice Services Manager Software . . . . .	27
HP A-IMC IPSec VPN Manager Software . . . . .	27
HP A-IMC Service Operation Management Software . . . . .	27
HP 3ND/EMS/PCM+ to Intelligent Management Center Standard . . . . .	27
3Com to HP OpenView Network Node Manager Integration Kit . . . . .	27

## E-Series products

### Modular switches

HP E8200 zl Switch Series . . . . .	28
HP E5400 zl Switch Series . . . . .	29
HP E4200 vl Switch Series . . . . .	30

### Gigabit Ethernet fixed-port switches

HP E5500G Switch Series . . . . .	31
HP E4800G Switch Series . . . . .	32
HP E6600 Switch Series . . . . .	33
HP E3500 yl Switch Series (Gigabit Ethernet models) . . . . .	34
HP E6200-24G-mGBIC yl Switch . . . . .	34
HP E4510G Switch Series . . . . .	35
HP E4500G Switch Series . . . . .	35
HP E2915-8G-PoE Switch . . . . .	36
HP E2910 al Switch Series . . . . .	36
HP E4210G Switch Series . . . . .	37
HP E2810 Switch Series . . . . .	37
HP E2520 Switch Series (Gigabit Ethernet models)	38
HP E2510 Switch Series (Gigabit Ethernet models)	38

### 10/100 fixed-port switches

HP E5500 Switch Series . . . . .	39
HP E3500 Switch Series (10/100 models) . . . . .	40
HP E4500 Switch Series . . . . .	41
HP E2615-8-PoE Switch . . . . .	41
HP E2610 Switch Series . . . . .	42
HP E4210 Switch Series . . . . .	42
HP E2520 Switch Series (10/100 models) . . . . .	43
HP E2510 Switch Series (10/100 models) . . . . .	43

### Wireless controllers

HP E-series MultiService Controller (MSM) . . . . .	44
---	----

### Wireless access points

HP E-802.11n Dual Radio Access Point Series . . . . .	45
HP E-802.11n Access Point Series . . . . .	46
HP E-MSM317 Access Device Series . . . . .	46
HP E-802.11a/b/g Access Point Series . . . . .	47
HP Mobility Integrated Services Access Point Series . . . . .	48

### Wireless access point, security

HP E-M111 Client Bridge Series . . . . .	49
HP E-M110 Access Point Series . . . . .	49
HP Networking Mobility Security IDS/IPS Series . . . . .	49

## Table of contents (continued)

<b>zl modules</b>		<b>Security management from HP TippingPoint</b>	
HP Threat Management Services zl Module . . . . .	50	HP Security Management System Appliance Series	68
HP Services zl Module . . . . .	51	<b>V-Series products</b>	
HP Advanced Services zl Module . . . . .	51	<b>Smart managed switches</b>	
HP Extended Services zl Module with Riverbed Steelhead RiOS Application . . . . .	51	HP V1910 Switch Series . . . . .	69
HP Survivable Branch Communication zl Module powered by Microsoft Lync . . . . .	52	HP V1905 Switch Series . . . . .	70
HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet . . . . .	52	HP V1900-8G Switch . . . . .	70
		HP V1810 Switch Series . . . . .	71
		HP V1700 Switch Series . . . . .	71
		HP IntelliJack Gigabit Switch Series . . . . .	72
<b>Management software</b>		<b>Unmanaged switches</b>	
HP PCM Software . . . . .	53	HP V1410 Switch Series . . . . .	73
HP PCM Plus Network Management Software Series . . . . .	53	HP V1405 Switch Series . . . . .	74
HP Identity Driven Manager 3.0 . . . . .	54	<b>Wireless routers, access points</b>	
HP Mobility Manager Software Series . . . . .	54	HP V110 Wireless-N Router Series . . . . .	75
HP Network Immunity Manager (NIM) Software Series . . . . .	55	HP V-M200 802.11n Access Point Series . . . . .	75
<b>IP telephones</b>		<b>HP networking product matrix</b>	
HP 350x IP Phone Series . . . . .	56	<b>Switches</b>	
HP 310x IP Phone Series . . . . .	56	Modular switches . . . . .	76
		Fixed-port switches . . . . .	77
<b>VoIP gateways</b>		<b>Routers</b>	
HP VCX V71xx Gateway Series . . . . .	57	Routers . . . . .	78
<b>IP communications platforms</b>		<b>Wireless LAN</b>	
HP VCX V7000 Unified Communications Series . . . . .	58	Wireless controllers . . . . .	78
HP VCX V6000/V6100 Enterprise Branch Communications Series . . . . .	59	Wireless routers and access points . . . . .	79
HP VCX Connect 200 Unified Communications Series . . . . .	60	Wireless security, bridges . . . . .	79
HP VCX Connect 100 Unified Communications Series . . . . .	60	Wireless client adapters . . . . .	79
HP VCX Connect Platform Series . . . . .	61	<b>Security</b>	
HP VCX Enterprise Branch Communications MIM on MSR Series . . . . .	62	Intrusion Prevention Systems (IPS) . . . . .	80
HP VCX Connect Unified Communications MIM on MSR Series . . . . .	63	HP threat management services . . . . .	80
		Security management . . . . .	80
<b>Unified communications software</b>		<b>Unified communications</b>	
HP eXchange Call Center Software for VCX Solutions Series . . . . .	64	IP telephones . . . . .	81
HP EPICCenter Contact Center Software for VCX Solutions Series . . . . .	64	VoIP gateways . . . . .	81
		IP communications platforms . . . . .	81
		<b>Management software</b>	
<b>S-Series: HP TippingPoint security products</b>		HP Intelligent Management Center (IMC) . . . . .	82
<b>IPS from HP TippingPoint</b>		Management software . . . . .	82
HP S Intrusion Prevention System (IPS) N Series . . . . .	65	Unified communications management . . . . .	82
HP Core Controller Base Chassis with 48x1000Base-T and 6x10GbE Ports . . . . .	66	<b>HP networking services and support</b>	
HP S Intrusion Prevention System (IPS) Series . . . . .	67	HP networking warranty . . . . .	83
		HP Network Services . . . . .	83
		HP Network Support Services . . . . .	85
		<b>3Com product index</b>	
		3Com product index . . . . .	88

**HP is changing the rules of networking with a full portfolio of high-performance, standards-based products, solutions, and services. These offerings are secure, energy-efficient, cost-saving, and developed specifically to simplify the complexities of networking for all customers, from the largest enterprise to the smallest emerging business. By investing in HP's best-in-class technology, customers can build high-performance, secure, and efficiently managed network environments that are flexible, interoperable with other networking and computing technology, and highly cost-effective. And integrated as part of the HP Converged Infrastructure and supported by HP and partner service capabilities, HP networking solutions deliver application and business services across the extended enterprise to meet any business demand.**



# A-Series products

For customers with large/complex deployments seeking advanced, full-featured networking technology to drive competitive advantage with lower cost of ownership.

## Key features:

- Mission-critical design
- Best-in-class performance
- Single-pane-of-glass management
- Highly scalable
- Leading power management
- Single operating system core to edge

## Switches

### Modular switches

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A12500 Switch Series</b>										
<b>HP A12518 Switch Chassis (JF430B)</b>	38	18			864		864	864	512	6.66 Tbps
<b>HP A12508 Switch Chassis (JF431B)</b>	21	8			384		384	384	256	3.06 Tbps



### HP A12500 Switch Series at a glance...

Next-generation, large core/data center switching platforms with innovative Intelligent Resilient Framework (IRF) technology. Switches with 18 or 8 slots dedicated to I/O modules and two slots for fully redundant management modules, with up to 6.66 Tbps performance and up to 128 (1:1) or 512 (4:1) 10-GbE ports, and 864 (1:1) GbE ports. Nonblocking (L2, L3 IPv4, L3 IPv6, MPLS), zero service interruption design, mid-plane/CLOS architecture ready for future 40 GbE/100 GbE modules. Innovative Intelligent Resilient Framework (IRF) technology that enables multiple interconnected switches to be managed as a single logical entity.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A12500 Switch Series

##### Modules

- HP A12518 Fabric Module (JC066A)
- HP A12508 Fabric Module (JC067B)
- HP A12500 Main Processing Unit (JC072A)
- HP A12500 32-port 10-GbE SFP+ REB Module (JC064A)
- HP A12500 32-port 10-GbE SFP+ REC Module (JC476A)
- HP A12500 8-port 10-GbE XFP LEC Module (JC068A)
- HP A12500 4-port 10-GbE XFP LEC Module (JC070A)
- HP A12500 8-port 10-GbE XFP LEB Module (JC073A)
- HP A12500 4-port 10-GbE XFP LEB Module (JC076A)

- HP A12500 48-port Gig-T LEC Module (JC065A)
- HP A12500 48-port GbE SFP LEC Module (JC069A)
- HP A12500 48-port Gig-T LEB Module (JC074A)
- HP A12500 48-port GbE SFP LEB Module (JC075A)
- HP A12500 Side Cable Management Module (JC084A)
- HP A12500 Spare Power Monitor Module (JC502A)

##### Transceivers

- HP X130 SC ZR XFP Transceiver (JD107A)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 LC SR XFP Transceiver (JD117B)

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)

- HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)

##### Power supplies

- HP A12500 AC Power Entry Module (JF426A)
- HP A12500 2000W AC Power Supply (JF429A)

##### Fans

- HP A12518 Fan Assembly (JC080A)
- HP A12508 Fan Assembly (JC081A)
- HP A12518 Optional Air Filter (JC083A)
- HP A12508 Optional Air Filter (JC082A)

##### Memory

- HP A-Series 1GB SDRAM (JC071A)
- HP A-Series 1GB Compact Flash Card (JD276A)

# A-Series products

## Switches (continued)

### Modular switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A9500 Switch Series</b>										
<b>HP A9512 Switch Chassis (JC125B)</b>	17	12+2	576		576		576	576	192	1.44 Tbps
<b>HP A9508-V Switch Chassis (JC474B)</b>	22U	8+2	384		384		384	384	128	960 Gbps
<b>HP A9505 Switch Chassis (JC124B)</b>	11	5+2	240		240		240	240	80	600 Gbps



#### HP A9500 Switch Series at a glance...

Robust core switching for demanding enterprise networks, data centers, and Metro Ethernet. 12-, 8-V, and 5-slot switches with up to 1.44 Tbps performance and up to 192 10-GbE ports and 576 GbE ports. High availability and architecture ready for 40 GbE and 100 GbE. Wire speed L2/ L3/IPv4/IPv6/MPLS. Open Application Architecture (OAA) that extends and integrates application capability into the network. Innovative Intelligent Resilient Framework (IRF) technology that enables multiple interconnected switches to be managed as a single logical entity.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A9500 Switch Series

##### Modules

- HP A9500 720 Gbps Fabric/ Main Processing Unit (JC120A)
- HP A9505 360 Gbps Fabric/ Main Processing Unit (JC121A)
- HP A9500 16-port 10-GbE SFP+ REB Module (JC108A)
- HP A9500 2-port 10-GbE XFP LEB Module (JC112A)
- HP A9500 2-port 10-GbE XFP LEC Module (JC470A)
- HP A9500 4-port 10-GbE XFP LEB Module (JC114A)
- HP A9500 4-port 10-GbE XFP LEC Module (JC118A)
- HP A9500 48-port Gig-T LEB Module (JC107A)
- HP A9500 48-port GbE SFP LEB Module (JC113A)
- HP A9500 48-port Gig-T LEC Module (JC115A)
- HP A9500 48-port GbE SFP LEC Module (JC471A)

- HP A9500 16-port GbE SFP/ 8-port GbE Combo LEC Module (JC117A)
- HP A9500 16-port Gig-T/8-port GbE Combo LEC Module (JC119A)
- HP A9500 16-port Gig-T/8-port GbE Combo LEB Module (JC122A)
- HP A9500 16-port GbE SFP/ 8-port GbE Combo LEB Module (JC123A)

##### Transceivers

- HP X130 SC ZR XFP Transceiver (JD107A)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 LC SR XFP Transceiver (JD117B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
- HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X125 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)

- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X110 100M SFP LC FX Transceiver (JF833A)
- HP X120 100M/1G SFP LC LX Transceiver (JF832A)

##### Wireless modules

- HP A9500 Access Controller Module (JD442A)
- HP A-WX Blade 128 Access Point License Upgrade (JD464A)

##### Security modules

- HP A9500 VPN Firewall Module (JD245A)
- HP A9500 NetStream Monitoring Module (JD246A)
- HP A9500 Load Balancing Module (JD247A)

##### Memory

- HP A-Series 1GB SDRAM (JC071A)

##### Power supplies

- HP A9500/A8800 1800W AC Power Supply (JC110B)
- HP A9500/A8800 AC Power Frame (JC111A)
- HP A9500/A8800 2000W DC Power Supply (JC029B)
- HP A9500/A8800 3500W DC Power Supply (JC473A)

# A-Series products

## Switches (continued)

### Modular switches (continued)

#### HP A7500 Switch Series



	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A7510 Switch Chassis (JD238B)</b>	16	10+2	480	480	504	480	504	504	84	1.152 Tbps
<b>HP A7506-V Switch Chassis (JD241B)</b>	21	6+2	288	288	312	288	312	312	52	768 Gbps
<b>HP A7506 Switch Chassis (JD239B)</b>	13	6+2	288	288	312	288	312	312	52	768 Gbps
<b>HP A7503-S Switch Chassis (JD243B)</b>	4	2+1	96	96	120	116	120	120	16	144 Gbps
<b>HP A7503 Switch Chassis (JD240B)</b>	10	3+2	144	144	168	144	168	168	28	480 Gbps
<b>HP A7502 Switch Chassis (JD242B)</b>	4	2+2	96	96	96	96	96	96	16	192 Gbps

#### HP A7500 Switch Series at a glance...

Cost-effective 10-Gigabit Ethernet port density. 10-, 6-, 6-V, 3-, 3-S, and 2-slot switches with up to 1.152 Tbps performance, up to 84 10-GbE and 504 GbE ports, and innovative Intelligent Resilient Framework (IRF) technology that enables multiple interconnected switches to be managed as a single logical entity. Wire speed L2/L3/IPv4/IPv6/MPLS and OSPF/BGP/IS-IS routing. Open Application Architecture (OAA) that extends and integrates application capability into the network.

#### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A7500 Switch Series

##### Modules

- HP A7510 768 Gbps Fabric/Main Processing Unit (JD220A)
- HP A7500 384 Gbps Fabric/Main Processing Unit (JD194B)
- HP 384 Gbps Fabric A7500 Module w/12 SFP Ports (JD224A)
- HP A7500 384 Gbps Fabric/Main Processing Unit with 2 10-GbE XFP Ports (JD193B)
- HP A7500 384 Gbps Fabric/Advanced Main Processing Unit (JD195A)
- HP 384 Gbps Lite Fabric A7500 Module (JF219B)
- HP A7503-S 144 Gbps Fabric/Main Processing Unit with 16 GbE SFP Ports and 8 GbE Combo Ports (JD222A)
- HP A7502 Main Processing Unit (JD196A)
- HP A7500 48-port 100Base-FX SA Module (JD197B)
- HP A7500 48-port 10/100Base-TX PoE-upgradable SA Module (JD198B)
- HP 48-port Gig-T PoE-ready A7500 Module (JD199B)
- HP A7500 48-port GbE SFP SC Module (JD211B)
- HP A7500 48-port Gig-T PoE-upgradable SC Module (JD210A)
- HP A7500 40-port Gig-T/8-port GbE SFP PoE-upgradable SC Module (JD228B)

- HP A7500 24-port GbE SFP/2-port 10-GbE XFP SC Module (JD205A)
- HP A7500 24-port Gig-T/2-port 10-GbE XFP SC Module (JD206A)
- HP A7500 24-port GbE SFP SC Module (JD203B)
- HP A7500 24-port Gig-T SC Module (JD204B)
- HP A7500 16-port GbE SFP/8-port GbE Combo SC Module (JD223A)
- HP A7500 12-port GbE SFP SC Module (JD207A)
- HP A7500 8-port 10-GbE SFP+ SC Module (JF290A)
- HP A7500 2-port 10-GbE XFP SC Module (JD201A)
- HP 12-port GbE SFP Advanced A7500 Module (JD202A)
- HP 1-port 10-GbE XFP Advanced A7500 Module (JD200A)
- HP A7500 48-port GbE SFP SD Module (JD237A)
- HP A7500 48-port Gig-T PoE+ SD Module (JD229B)
- HP A7500 24-port GbE SFP/2-port 10-GbE XFP SD Module (JD230A)
- HP A7500 16-port GbE SFP/8-port GbE Combo SD Module (JD234A)
- HP A7500 8-port 10-GbE XFP SD Module (JD191A)
- HP A7500 4-port 10-GbE XFP SD Module (JD235A)
- HP A7500 2-port 10-GbE XFP SD Module (JD236A)

##### Transceivers

- HP A7500 48-port GbE SFP EB Module (JD221A)
- HP A7500 16-port GbE SFP/8-port GbE Combo EB Module (JD231A)
- HP A7500 4-port 10-GbE XFP EB Module (JD232A)
- HP A7500 2-port 10-GbE XFP EB Module (JD233A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 SC ZR XFP Transceiver (JD107A)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 LC SR XFP Transceiver (JD117B)
- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
- HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X110 100M SFP LC LX Transceiver (JD120B)
- HP X110 100M SFP LC FX Transceiver (JD102B)

##### Wireless modules

- HP A7500 Access Controller Module (JD440A)
- HP A-WX Blade 128 Access Point License Upgrade (JD464A)

##### Security modules

- HP A7500 SSL VPN Module with 500-user License (JD253A)
- HP TippingPoint S1200N IPS A7500 Module (JC527A)
- HP A7500 VPN Firewall Module (JD249A)
- HP A7500 Load Balancing Module (JD252A)

- HP A7500 NetStream Monitoring Module (JD254A)

##### Memory

- HP A7500 48-port PoE DIMM (JD192B)

##### Power supplies

- HP A7500 6000W AC Power Supply (JD227A)
- HP A7500 2800W AC Power Supply (JD219A)
- HP A7500 1400W AC Power Supply (JD218A)
- HP A7500 1400W DC Power Supply (JD208A)
- HP A7500 Power Supply Frame (JC533A)
- HP A7500 650W AC Power Supply (JD217A)
- HP A7500 650W DC Power Supply (JD209A)
- HP A7502 300W AC Power Supply (JD226A)
- HP A7502 300W DC Power Supply (JD225A)


##### Fans

- HP A7510 Spare Fan Assembly (JD216A)
- HP A7506-V Spare Fan Assembly()
- HP A7506 Spare Fan Assembly (JD214A)
- HP A7503 Spare Fan Assembly (JD212A)
- HP A7502 Spare Fan Assembly (JD213A)

# A-Series products

## Switches (continued)

### Fixed-port switches

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A5820 Switch Series</b>										
										
<b>HP A5820X-24XG-SFP+ Switch (JC102A)</b>	1								24 (28)	488 Gbps
<b>HP A5820X-14XG-SFP+ Switch with 2 Interface Slots &amp; 1 OAA Slot (JC106A)</b>	2	2+1x OAA							14 (18)	488 Gbps

#### HP A5820 Switch Series at a glance...

High-performance 10-Gigabit Ethernet flex chassis switches. High density. L2/L3/L4, RIP/OSPF/BGP, MPLS, and VPLS. 10 GbE line-rate performance and IRF technology. Open Application Architecture (OAA) that extends and integrates application capability into the network.

### HP A5810 48-BT, 2 SFP+ Slots AC Switch



<b>HP A5810 48-BT, 2 SFP+ Slots AC Switch (JF242A)</b>	1				48			2 DP	2	136 Gbps
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#### HP A5810 48-BT, 2 SFP+ Slots AC Switch at a glance...

Fixed-configuration, wire-speed Layer 2 switch designed for data center top-of-rack server access that requires significant levels of application buffering. This switch delivers unparalleled QoS across 48 10/100/1000Base-T Ethernet ports, two multiplex Gigabit Ethernet combination SFP ports, and two 10-Gigabit Ethernet SFP+ ports for the most demanding enterprise network environments.

Note: DP = Dual-personality port

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A5820 Switch Series

##### Modules

- HP A5820X/A5800 4-port 10-GbE SFP+ Module (JC091A)
- HP A5820X/A5800 2-port 10-GbE SFP+ Module (JC092B)
- HP A5800 16-port Gig-T Module (JC094A)
- HP A5800 16-port GbE SFP Module (JC095A)
- HP A5800 PoE Module (JC097B)
- HP A5800 Access Controller Module (JD443A)
- HP 4-port 8/4/2 Gbps FCoE SFP+ A5820 Module (JC530A)

##### Transceivers

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)

- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### OAA modules

- HP A5800 Access Controller OAA Module (JD441A)
- HP A-WX5000 32 Access Point License Upgrade (JD463A)
- HP A5820 VPN Firewall Module (JD255A)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)

- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X240 10G SFP+ 0.65m DA Cable (JD095B)
- HP X240 10G SFP+ 1.2m DA Cable (JD096B)
- HP X240 10G SFP+ 3m DA Cable (JD097B)

##### Power supplies

- HP A5800 750W AC PoE Power Supply (JC089A)
- HP A5820/A5800 300W AC Power Supply (JC087A)
- HP A5820/A5800 300W DC Power Supply (JC090A)

##### Fans

- HP A5800 2RU Spare Fan Assembly (JC096A)
- HP A5800 1RU Spare Fan Assembly for A5800-24G-SFP Switch with 1 Interface Slot (JC098A)

#### HP A5810 48-BT, 2 SFP+ Slots AC Switch

##### Transceivers

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X120 1G SFP LC SX Transceiver (JD118B)

- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

##### Power supplies


- HP A5820/A5800 300W AC Power Supply (JC087A)



# A-Series products

## Switches (continued)

### Fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A5800 Switch Series</b>										
										
HP A5800-48G-PoE+ Switch with 1 Interface Slot (JC104A)	1	1			(16)	48		(16)	4 (8)	256 Gbps
HP A5800-48G-PoE+ Switch with 2 Interface Slots (JC101A)	2	2+1x OAA			48 (80)	48		(32)	0 (8)	284 Gbps
HP A5800-48G Switch with 1 Interface Slot (JC105A)	1	1			48 (64)			(16)	4 (8)	256 Gbps
HP A5800-24G-SFP Switch with 1 Interface Slot (JC103A)	1	1			(16)			24 (40)	4 (8)	208 Gbps
HP A5800-24G-PoE+ Switch (JC099A)	1	1			(16)	24		(16)	4 (8)	208 Gbps
HP A5800-24G Switch (JC100A)	1	1			24 (40)			(16)	4 (8)	208 Gbps
<a href="#">HP A5800 Switch Series at a glance...</a> Advanced Gigabit Ethernet and 10-Gigabit Ethernet flex chassis switches. L2/L3/L4, RIP/OSPF/BGP, MPLS, and VPLS. Both modular and fixed-port (up to 48 ports). Media and OAA module slots; IRF; IPv4/IPv6.										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A5800 Switch Series

##### Modules

- HP A5820X/A5800 4-port 10-GbE SFP+ Module (JC091A)
- HP A5820X/A5800 2-port 10-GbE SFP+ Module (JC092B)
- HP A5800 16-port Gig-T Module (JC094A)
- HP A5800 16-port GbE SFP Module (JC095A)
- HP A5800 PoE Module (JC097B)
- HP A5800 Access Controller Module (JD443A)

##### Transceivers

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)

- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X120 1G SFP LC SX Transceiver (JD118B)

- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)

- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X240 10G SFP+ 0.65m DA Cable (JD095B)
- HP X240 10G SFP+ 1.2m DA Cable (JD096B)
- HP X240 10G SFP+ 3m DA Cable (JD097B)

##### OAA modules

- HP A5800 Access Controller OAA Module (JD441A)
- HP A-WX5000 32 Access Point License Upgrade (JD463A)

##### Power supplies

- HP A5800 750W AC PoE Power Supply (JC089A)

- HP A5820/A5800 300W AC Power Supply (JC087A)
- HP A5820/A5800 300W DC Power Supply (JC090A)
- HP A5800/A5500 150W AC Power Supply (JD362A)
- HP A5800/A5500 150W DC Power Supply (JD366A)


##### Fans

- HP A5800 2RU Spare Fan Assembly (JC096A)
- HP A5800 1RU Spare Fan Assembly for A5800-24G-SFP Switch with 1 Interface Slot (JC098A)


# A-Series products

## Switches (continued)

### Fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A5500G EI Switch Series</b>										
										
HP A5500-48G-PoE EI Switch (JD376A)	1	2				48		4 (8)	0 (4)	176 Gbps
HP A5500-48G EI Switch with 2 Interface Slots (JD375A)	1	2			48			4 (8)	0 (4)	176 Gbps
HP A5500-24G-SFP EI Switch with 2 Interface Slots (JD374A)	1	2			8			24 (28)	0 (4)	128 Gbps
HP A5500-24G-SFP DC EI Switch (JD379A)	1	2			8			24 (28)	0 (4)	128 Gbps
HP A5500-24G-PoE EI Switch (JD378A)	1	2				24		4 (8)	0 (4)	128 Gbps
HP A5500-24G EI Switch with 2 Interface Slots (JD377A)	1	2			24			4 (8)	0 (4)	128 Gbps
HP A5500-24G DC EI Switch (JD373A)	1	2			24			4 (8)	0 (4)	128 Gbps
<p><b>HP A5500G EI Switch Series at a glance...</b>            Scalable LAN switch series that enhances network performance with Gigabit Ethernet. 24- and 48-port GbE switches with 10 GbE uplinks and L2/L3/L4 RIP/OSPF. PoE/non-PoE; AC/DC; IRF; IPv4/IPv6.</p>										

### HP A5500G SI Switch Series

										
HP A5500-48G-PoE SI Switch (JD372A)	1	2				48				
HP A5500-48G SI Switch with 2 Interface Slots (JD370A)	1	2			48			4 (8)	4	176 Gbps
HP A5500-24G-PoE SI Switch (JD371A)	1	2				24				
HP A5500-24G SI Switch with 2 Interface Slots (JD369A)	1	2			24			4 (8)	4	128 Gbps
<p><b>HP A5500G SI Switch Series at a glance...</b>            Flexible, scalable, highly resilient Gigabit Ethernet switching for demanding enterprise network applications. 24- and 48-port Gigabit Ethernet switches with 10 GbE uplinks and L2/L3 (RIP). PoE/non-PoE; AC/DC; IRF; IPv4/IPv6.</p>										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A5500G EI and HP A5500G SI Switch Series

##### Modules

- HP A5500/A5120-EI 2-port 10-GbE XFP Module (JD359B)
- HP A5500/A5120-EI 2-port 10-GbE CX4 Module (JD360B)
- HP A5500/A5120-EI 1-port 10-GbE XFP Module (JD361B)
- HP 2-port 10-GbE SFP+ A5500/E4800/E4500 Module (JD368B)
- HP A5500/A5120-EI 2-port GbE SFP Module (JD367A)

##### Transceivers

- HP X135 LC ER XFP Transceiver (JD121A)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 LC SR XFP Transceiver (JD117B)

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)

- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)
- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)
- HP X110 100M SFP LC LX10 Transceiver (JD498A)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X290 RPS 500/800 list V products 1m Cable (JD186A)
- HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)
- HP X290 RPS 1000/1600 list A products JD5 Non-PoE 2m Cable (JD188A)
- HP X290 RPS 1000/1600 list B products JD5 2m Cable (JD189A)

- HP X290 RPS 500/800 list G products 1m Cable (JD190A)
- HP X230 Local Connect 100cm CX4 Cable (JD364B)
- HP X230 Local Connect 50cm CX4 Cable (JD363B)
- HP X230 Local Connect CX4 300cm Cable (JD365A)

##### Power supplies

- HP A5800/A5500 150W AC Power Supply (JD362A)
- HP A5800/A5500 150W DC Power Supply (JD366A)

##### RPS

- HP A-RPS800 Redundant Power System (JD183A)
- HP A-RPS1600 Redundant Power System (JG136A)

# A-Series products

## Switches (continued)

### Fixed-port switches (continued)

#### HP A5120G EI Switch Series



	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
HP A5120-48G-PoE EI 2-Slot Switch (JE071A)	1	2				48		4	(4)	176 Gbps
HP A5120-48G EI Switch with 2 Interface Slots (JE069A)	1	2			48			4	(4)	176 Gbps
HP A5120-48G EI Switch (JE067A)	1				48			4		96 Gbps
HP A5120-24G-PoE EI 2-Slot Switch (JE070A)	1	2				24		4	(4)	128 Gbps
HP A5120-24G EI Switch with 2 Interface Slots (JE068A)	1	2			24			4	(4)	128 Gbps
HP A5120-24G EI Switch (JE066A)	1				24			4		48 Gbps

#### HP A5120G EI Switch Series at a glance...

Gigabit Ethernet switches that support diversified services, with up to four 10-GbE extended interfaces. Static L3 routing, IRF, IPv6/IPv4, with and without PoE.

#### HP A5120G SI Switch Series



	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
HP A5120-48G SI Switch (JE072A)	1				48			4		104 Gbps
HP A5120-24G SI Switch (JE074A)	1				24			4		56 Gbps
HP A5120-16G SI Switch (JE073A)	1				16			4		40 Gbps
HP A5120-24G-PoE+ SI Switch (JG091A)	1				24 (PoE+)			4		56 Gbps
HP A5120-24G-PPoE+ SI Switch (JG092A)	1				24 (PoE+)			4		56 Gbps

#### HP A5120G SI Switch Series at a glance...

Intelligent manageable switches designed for high performance, high-density port access, and easy installation. Gigabit Ethernet ports, Gigabit SFP uplinks, static L3 routing, IPv6/IPv4, IRF, PoE+, and single IP address management.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A5120G EI Switch Series

##### Modules

- HP A5500/A5120-EI 2-port GbE SFP Module (JD367A)
- HP A5500/A5120-EI 2-port 10-GbE XFP Module (JD359B)
- HP 2-port 10-GbE SFP+ A5500/E4800/E4500 Module (JD368B)
- HP A5500/A5120-EI 2-port 10-GbE CX4 Module (JD360B)
- HP A5500/A5120-EI 1-port 10-GbE XFP Module (JD361B)

##### Transceivers

- HP X135 LC ER XFP Transceiver (JD121A)
- HP X130 LC SR XFP Transceiver (JD117B)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)

- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)

- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X240 SFP+ 0.65m Direct Attach Cable (JD095B)
- HP X240 SFP+ 1.2m Direct Attach Cable (JD096B)
- HP X240 SFP+ 3m Direct Attach Cable (JD097B)
- HP X230 Local Connect 100cm CX4 Cable (JD364B)
- HP X230 Local Connect CX4 300cm Cable (JD365A)
- HP X290 RPS 500/800 list C products 1m Cable (JD184A)
- HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)
- HP X230 Local Connect 50cm CX4 Cable (JD363B)

##### RPS

- HP A-RPS800 Redundant Power System (JD183A)
- HP A-RPS1600 Redundant Power System (JG136A)

#### HP A5120G SI Switch Series

##### Transceivers

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)


##### RPS

- HP A-RPS1600 Redundant Power System (JG136A)

# A-Series products

## Switches (continued)


### Fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A3610 Switch Series</b>										
	HP A3610-48 Switch (JD335A)	1	48					4		17.6 Gbps
	HP A3610-24-SFP Switch (JD338A)	1			2		24	2		12.8 Gbps
	HP A3610-24-4G Switch (JD336A)	1	24					4		12.8 Gbps
	HP A3610-24-2G-2G-SFP Switch (JD337A)	1	24		2			2		12.8 Gbps

#### HP A3610 Switch Series at a glance...

Intelligent enterprise switch solution for converged networks. Full-featured IPv4/IPv6 dual stack with high-performance and integrated security features. Dense 10/100 port distribution, full L2/3/4 RIP/OSPF routing, and Gigabit Ethernet uplinks.

### HP A3600 EI Switch Series

	HP A3600-48-PoE EI Switch (JD328A)	1		48				4		17.6 Gbps
	HP A3600-48 EI Switch (JD333A)	1	48					4		17.6 Gbps
	HP A3600-24-SFP EI Switch (JD334A)	1			2		24	2		12.8 Gbps
	HP A3600-24-PoE EI Switch (JD326A)	1		24				4		12.8 Gbps
	HP A3600-24 EI Switch (JD331A)	1	24					4		12.8 Gbps

#### HP A3600 EI Switch Series at a glance...

Stackable, scalable, voice-optimized Gigabit Ethernet switches for high-performance networking. Up to 48 10/100 PoE or non-PoE ports, four Gigabit Ethernet uplinks, 17.6 Gbps switching capacity. Supports Distributed Device Management (DDM), Dynamic Link Aggregation (DLA), and RIP and OSPF routing.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A3610 Switch Series

##### Transceivers

- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

- HP A3600 Switch SFP Stacking Kit (JD324B)

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
  - HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
  - HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
  - HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
  - HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
  - HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
  - HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
  - HP X290 RPS 500/800 list V products 1m Cable (JD186A)
  - HP X290 RPS 1000/1600 list A products JD5 Non-PoE 2m Cable (JD188A)
  - HP X290 RPS 1000/1600 list B products JD5 2m Cable (JD189A)
- RPS**
- HP A-RPS800 Redundant Power System (JD183A)
  - HP A-RPS1600 Redundant Power System (JG136A)

#### HP A3600 EI Switch Series

##### Transceivers


- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
  - HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
  - HP X125 1G SFP LC LH70 Transceiver (JD063B)
  - HP X120 1G SFP RJ45 T Transceiver (JD089B)
  - HP X110 100M SFP LC LH40 Transceiver (JD090A)
  - HP X110 100M SFP LC LH80 Transceiver (JD091A)
  - HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
  - HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
  - HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
  - HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
  - HP X110 100M SFP LC FX Transceiver (JD102B)
  - HP X120 1G SFP LC LH100 Transceiver (JD103A)
  - HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
  - HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
  - HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
  - HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
  - HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
  - HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
  - HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
  - HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)
  - HP X120 1G SFP LC SX Transceiver (JD118B)
  - HP X120 1G SFP LC LX Transceiver (JD119B)
  - HP X110 100M SFP LC LX Transceiver (JD120B)
- Cables**
- HP A3600 Switch SFP Stacking Kit (JD324B)
  - HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)


- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
  - HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
  - HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
  - HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
  - HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
  - HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
  - HP X290 RPS 500/800 list V products 1m Cable (JD186A)
  - HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)
  - HP X290 RPS 1000/1600 list A products JD5 Non-PoE 2m Cable (JD188A)
  - HP X290 RPS 1000/1600 list B products JD5 2m Cable (JD189A)
- RPS**
- HP A-RPS800 Redundant Power System (JD183A)
  - HP A-RPS1600 Redundant Power System (JG136A)

# A-Series products

## Switches (continued)

### Fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A3600 SI Switch Series</b>										
				48				4		12.8 Gbps
			48					4		12.8 Gbps
			24	2			2			12.8 Gbps
			24					4		12.8 Gbps
			24					4		12.8 Gbps
<b>HP A3600 SI Switch Series at a glance...</b> Premier multi-layer switches that fulfill the enterprise requirement for a unified, highly resilient network. 48 or 24 10/100 ports, Gigabit Ethernet uplinks, PoE and non-PoE configurations. AC or DC power, IEEE 802.1X access control, and MAC authentication. Supports RIP routing, IRF, Distributed Device Management (DDM), and Dynamic Link Aggregation (DLA).										

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A3100 EI Switch Series</b>										
			48					4		17.6 Gbps
				24	2		2	2		8.8 Gbps
			24	2			2	2		8.8 Gbps
			24	2			2	2		8.8 Gbps
				16	2		2	2		7.2 Gbps
			16	2			2	2		7.2 Gbps
			16	2			2	2		7.2 Gbps
			8	1			1	1		3.6 Gbps
			8	1			1	1		3.6 Gbps
			8	1			1	1		3.6 Gbps
<b>HP A3100 EI Switch Series at a glance...</b> Stackable switch line with enterprise-class security and support for converged voice and data. 8-, 16-, and 24-port L2 Fast Ethernet switches. Gigabit Ethernet uplinks. PoE/non-PoE, AC and DC models, ACL support, single IP address management.										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A3600 SI Switch Series

- Transceivers**
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
  - HP X125 1G SFP LC LH70 Transceiver (JD063B)
  - HP X120 1G SFP RJ45 T Transceiver (JD089B)
  - HP X110 100M SFP LC LH40 Transceiver (JD090A)
  - HP X110 100M SFP LC LH80 Transceiver (JD091A)
  - HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
  - HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
  - HP X115 100M SFP LC BX 10-U Transceiver (JD101A)
  - HP X110 100M SFP LC FX Transceiver (JD102B)
  - HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)

- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)

- Cables**
- HP A3600 Switch SFP Stacking Kit (JD324B)

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)
- HP X290 RPS 500/800 list V products 1m Cable (JD186A) – For HP A3600 SI Switch Series only

- RPS**
- HP A-RPS800 Redundant Power System (JD183A)
  - HP A-RPS1600 Redundant Power System (JG136A)

#### HP A3100 EI Switch Series

- Transceivers**
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
  - HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
  - HP X120 1G SFP LC SX Transceiver (JD118B)
  - HP X120 1G SFP LC LX Transceiver (JD119B)
  - HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
  - HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
  - HP X110 100M SFP LC FX Transceiver (JD102B)
  - HP X110 100M SFP LC LX Transceiver (JD120B)

- Cables**
- Please refer to HP A3600 SI Switch Series for list of cables
- HP X290 RPS 500/800 list C products 1m Cable (JD184A) – For HP A3100 EI Switch Series only

- HP X290 RPS 1000/1600 list A products JD5 2m Cable (JD187A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)


- Mounting kits**
- HP A3100/E4210-9 Rack-mount Kit (JD322A)
  - HP A3100/E4210-16 Rack-mount Kit (JD321A)
  - HP A3100/E4210-16/8 PoE Rack-mount Kit (JD323A)

- RPS**
- Same as RPS for HP A3600 SI Switch Series

# A-Series products

## Switches (continued)

### Fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP A3100 SI Switch Series</b>										
										
HP A3100-24 SI 2-Slot Switch (JD309A)	1	2	24							8.8 Gbps
HP A3100-24 SI Switch (JD306A)	1		24	2						8.8 Gbps
HP A3100-16 SI Switch with 2 Extended Module Slots (JD308A)	1	2	16							7.2 Gbps
HP A3100-16 SI Switch (JD305A)	1		16	1						5.2 Gbps
HP A3100-8 SI Switch (JD304A)	1		8	1						3.6 Gbps
<p><b>HP A3100 SI Switch Series at a glance...</b>            Intelligent network-manageable L2 Fast Ethernet switches offering high performance, high port density, and easy installation. 8, 16, and 24 10/100 downlink ports, Gigabit Ethernet uplinks, single IP address management.</p>										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A3100 SI Switch Series

##### Modules

- HP 1-port Gig-T 3100 SI Module (JD298A)
- HP 1-port Gig-LX SC 3100 SI Module (JD299A)
- HP 1-port Gig-SX SC 3100 SI Module (JD300A)
- HP 1-port 10/100Base-T PoE 3100 SI Module (JD301A)

##### Transceivers

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)

- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

##### Mounting kits

- HP A3100/E4210-9 Rack-mount Kit (JD322A)
- HP A3100/E4210-16 Rack-mount Kit (JD321A)
- HP A3100/E4210-16/-8 PoE Rack-mount Kit (JD323A)

# A-Series products

## Routers

### HP A8800 Router Series



	Height (RU)	Module slots	Included ports	USB ports	Enhanced service modules supported	SDRAM (included/available)	CompactFlash slot	Embedded voice support (VPM/VCPM)	Hardware hot-swap
<b>HP A8812 Router Chassis (JC150B)</b>	17	12 + 2 slots		2		1/2 GB	1		Yes
<b>HP A8808 Router Chassis (JC149B)</b>	21	8 + 2 slots		2		1/2 GB	1		Yes
<b>HP A8805 Router Chassis (JC148B)</b>	11	5 + 2 slots		2		1/2 GB	1		Yes
<b>HP A8802 Router Chassis (JC147B)</b>	6	2/3 + 2/1 slots		2		1/2 GB	1		Yes

#### HP A8800 Router Series at a glance...

Routers with up to 12 I/O slots, 1.44 Tbps switching capacity, and support for up to 384 T1/E1 wire-speed connections, 240 1-GbE WAN connections, and 32,000 PPPoE users. Series provides carrier-class H-QoS, security and availability, and supports IPv6 and IPv4-to-IPv6 transition technologies.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A8800 Router Series

##### Modules

- HP A8802 Main Control Unit Module (JC141A)
- HP A8805/08/12 (1E) Main Control Unit Module (JC138A)
- HP A8805/08/12 (2E) Main Control Unit Module (JC137A)
- HP Single Service Processing Engine A8800 Module (JC139A)
- HP Dual Service Processing Engine A8800 Module (JC142A)
- HP Enhanced Single Service Processing Engine A8800 Module (JC130A)
- HP Enhanced Dual Service Processing Engine A8800 Module (JC133A)
- HP A8800 Net Analysis Service Processing Module (JC143A)
- HP A8800 Firewall Processing Module (JD251A)
- HP A8800 NAT Processing Module (JC144A)
- HP A8800 10-port GbE SFP Module (JC131A)
- HP 20-port 1000Base-X A8800 Module (JC132B)
- HP 20-port 10/100/1000 Ethernet Electrical Interface A8800 Module (JC135B)
- HP A8800 1-port 10-GbE XFP Module (JC129A)
- HP A8800 1-port OC-3/STM-1 (E1/T1) CPOS/8-port GbE SFP Module (JC477A)
- HP A8800 2-port OC-3/STM-1 (E1/T1) CPOS/8-port GbE SFP Module (JC478A)

- HP A8800 4-port OC-3/STM-1 (E3/T3) CPOS/4-port GbE SFP Module (JC479A)
- HP A8800 1-port OC-12/STM-4 (E3/T3) CPOS/4-port GbE SFP Module (JC480A)
- HP A8800 1-port OC-48/STM-16 (OC-3) CPOS SFP Module (JC481A)
- HP A8800 8-port E1/T1/8-port SFP Module (JC134A)
- HP A8800 32-port E1/T1/2-port GbE SFP Module (JC145A)
- HP A8800 8-port OC-3c/OC-12c POS/GbE SFP Module (JC482A)
- HP A8800 2-port OC-3c/STM-1c POS SFP/6-port GbE SFP Module (JC483A)
- HP A8800 2-port OC-12c/STM-4c POS SFP/6-port GbE SFP Module (JC484A)
- HP A8800 2-port OC-48c/STM-16c POS SFP/4-port GbE SFP Module (JC485A)
- HP A8800 4-port OC-48c/STM-16c POS SFP Module (JC486A)
- HP A8800 1-port OC-192c/STM-64c POS XFP Module (JC487A)
- HP A8800 2-port OC-48c/STM-16c RPR SFP Module (JC488A)
- HP A8800 1-port OC-192c/STM-64c RPR XFP Module (JC489A)
- HP A8800 4-port OC-3c/STM-1c ATM SFP Module (JC490A)
- HP A8800 1-port OC-12c/STM-4c ATM SFP Module (JC491A)

##### Transceivers

- HP X120 100M/1G SFP LC LX Transceiver (JF832A)
- HP X110 100M SFP LC FX Transceiver (JF833A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X120 622M SFP LC LX 15km Transceiver (JF829A)
- HP X120 622M SFP LC LH 40km 1310 Transceiver (JF830A)
- HP X120 622M SFP LC LH 80km 1550 Transceiver (JF831A)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X125 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X130 10G XFP LC SR Transceiver (JD117B)

- HP X130 10G XFP LC LR Transceiver (JD108B)
- HP X135 10G XFP LC LR Transceiver (JD088A)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 10G XFP LC ZR Transceiver (JD107A)
- HP X160 2.5G SFP LC 2km Transceiver (JD084A)
- HP X160 2.5G SFP LC 15km Transceiver (JD085A)
- HP X160 2.5G SFP LC 40km Transceiver (JD086A)
- HP X160 2.5G SFP LC 80km Transceiver (JD087A)
- HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)
- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)

##### Cables

- HP X260 T1 Router Cable (JD518A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)
- HP X500 T1/E1 Voice RJ45 Interface Connector (JD535A)
- HP X230 SIS 50cm CX4 Cable (JD341A)

- HP X260 E1 RJ45 120 ohm 2m Router Cable (JC156A)
- HP X260 E1 RJ45 120 ohm 15m Router Cable (JC151A)
- HP X260 E1 RJ45 120 ohm 30m Router Cable (JC152A)
- HP X260 E1 BNC Extend 10m Router Cable (JC153A)
- HP X260 E1 BNC Extend 15m Router Cable (JC154A)
- HP X260 E1 BNC Extend 20m Router Cable (JC155A)
- HP X260 E1 RJ45 120 ohm 3m Router Cable (JC126A)
- HP X260 E1 BNC 75 ohm 3m Router Cable (JC127A)
- HP X260 T1 RJ45 100 ohm 3m Router Cable (JC128A)

##### Power supplies

- HP A8802 800W 90-264V AC Power Supply (JC146A)
- HP A8802 1300W 36-92V DC Power Supply (JC140A)
- HP A9500/A8800 3500W DC Power Supply (JC473A)
- HP A9500/A8800 1800W AC Power Supply (JC110B)
- HP A9500/A8800 AC Power Frame (JC111A)

##### License


- HP A8800 Router Software License (JC157A)

##### Memory

- HP A8800 1GB SDRAM (JC136A)
- HP A-Series 1GB Compact Flash Card (JD276A)

# A-Series products

## Routers (continued)

	Height (U)	Module slots	Included ports	USB ports	Enhanced service modules supported	SDRAM (included/available)	CompactFlash slot	Embedded voice support (VPM/VCPM)	Hardware hot-swap
<b>HP A6600 Router Series</b>									
									
<b>HP A6616 Router Chassis (JC496A)</b>	20	16 HIM + 2 engine slots		2		1/2 GB	1		Yes
<b>HP A6608 Router (JC177A)</b>	7	8 HIM + 2 engine slots		2		1/2 GB	1		Yes
<b>HP A6604 Router Chassis (JC178A)</b>	5	4 HIM + 2 engine slots		2		1/2 GB	1		Yes
<b>HP A6602 Router (JC176A)</b>	1	2 HIM	4 GbE	2		2/4 GB	1		Yes
<b>HP A6600 Router Series at a glance...</b>									
A series of 16-, 8-, 4-, and 2 HIM-slot routers with a complete portfolio of LAN and WAN interface modules and a hardware-based encryption engine. The series supports up to 256 T1/E1 connections, 144 GbE WAN interfaces, and up to 32,000 PPPoE users; and its fully distributed architecture (A6604/08/16) eliminates single points of failure.									

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

### HP A6600 Router Series

#### Modules

- HP A6600 RPE-X1 Main Processing Unit (JC165A)
- HP FIP-100 A6600 Module (JC166A)
- HP FIP-200 A6600 Module (JC167A)
- HP A6600 Firewall Processing Module (JD250A)
- HP A-MSR 2-port Enhanced Sync/Async Serial MIM Module (JD540A)
- HP A-MSR 4-port Enhanced Sync/Async Serial MIM Module (JD541A)
- HP A-MSR 8-port Enhanced Sync/Async Serial MIM Module (JD552A)
- HP A-MSR 8-port E1/CE1/PRI (75ohm) MIM Module (JD563A)
- HP A-MSR 8-port E1/Fractional E1 (75ohm) MIM Module (JF255A)
- HP A-MSR 2-port Gig-T MIM Module (JD548A)
- HP A-MSR 8-port T1/CT1/PRI MIM Module (JC160A)
- HP A-MSR 8-port T1/Fractional T1 MIM Module (JC159A)
- HP A-MSR 1-port E3/CE3/FE3 MIM Module (JD630A)
- HP A-MSR 1-port T3/CT3/FT3 MIM Module (JD628A)
- HP A6600 4-port Gig-T HIM Module (JC163A)

- HP A6600 8-port Gig-T HIM Module (JC164A)
- HP A6600 4-port GbE SFP HIM Module (JC171A)
- HP A6600 8-port GbE SFP HIM Module (JC174A)
- HP A6600 1-port OC-3/STM-1 (E1/T1) CPOS SFP HIM Module (JC161A)
- HP A6600 2-port OC-3/STM-1 (E1/T1) CPOS SFP HIM Module (JC162A)
- HP A6600 1-port OC-3/STM-1 (E3/T3) CPOS SFP HIM Module (JC170A)
- HP A6600 2-port OC-3/STM-1 (E3/T3) CPOS SFP HIM Module (JC169A)
- HP A6600 2-port OC-3c/STM-1c or 1-port OC-12c/STM-4c POS SFP HIM Module (JC173A)
- HP A6600 4-port OC-3c/STM-1c or 2-port OC-12c/STM-4c POS SFP HIM Module (JC172A)
- HP A6600 1-port OC-48c/STM-16c POS/CPOS SFP HIM Module (JC494A)
- HP A6600 1-port OC-3c/STM-1c ATM SFP HIM Module (JC175A)
- HP A6600 2-port OC-3c/STM-1c ATM SFP HIM Module (JC495A)
- HP A6600 1-port 10-GbE XFP HIM Module (JC168A)

#### Transceivers

- HP X160 2.5G SFP LC 2km Transceiver (JD084A)
- HP X160 2.5G SFP LC 15km Transceiver (JD085A)
- HP X160 2.5G SFP LC 40km Transceiver (JD086A)
- HP X160 2.5G SFP LC 80km Transceiver (JD087A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X125 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X120 1G SFP RJ45 T Transceiver (JD089B)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X130 10G XFP LC SR Transceiver (JD117B)
- HP X130 10G XFP LC LR Transceiver (JD108B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X120 622M SFP LC LX 15km Transceiver (JF829A)
- HP X120 622M SFP LC LH 40km 1310 Transceiver (JF830A)
- HP X120 622M SFP LC LH 80km 1550 Transceiver (JF831A)

#### Cables

- HP X200 V.24 DTE 3m Serial Port Cable (JD519A)
- HP X200 V.24 DCE 3m Serial Port Cable (JD521A)
- HP X200 V.35 DTE 3m Serial Port Cable (JD523A)
- HP X200 V.35 DCE 3m Serial Port Cable (JD525A)
- HP X200 X.21 DTE 3m Serial Port Cable (JD527A)
- HP X200 X.21 DCE 3m Serial Port Cable (JD529A)
- HP X260 RS449 3m DTE Serial Port Cable (JF825A)

- HP X260 RS449 3m DCE Serial Port Cable (JF826A)
- HP X260 RS530 3m DTE Serial Port Cable (JF827A)
- HP X260 RS530 3m DCE Serial Port Cable (JF828A)
- HP X260 8E1 BNC 75 ohm 3m Router Cable (JD512A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)
- HP X290 A-MSR30 1m RPS Cable (JD637A)

#### Power supplies

- HP A-RPS800 Redundant Power System (JD183A)
- HP A7500 650W AC Power Supply (JD217A)
- HP A7500 650W DC Power Supply (JD209A)
- HP A6600 650W AC Power Supply (JC492A)
- HP A6600 650W DC Power Supply (JC493A)

#### License

- HP A6600 Router Software License (JC180A)

#### Memory

- HP A6600 1GB SDRAM (JC179A)



# A-Series products

## Routers (continued)

	Height (RU)	Module slots	Included ports	USB ports	Enhanced service modules supported	SDRAM (included/available)	CompactFlash slot	Embedded voice support (VPM/VCPM)	Hardware hot-swap
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### HP A-MSR50 Series



<b>HP A-MSR50-60 Router Chassis (JF231A)</b>	5	6 FIC/4 SIC	2 GbE/SFP DP	2	2	512/1024 MB	1	4/1	Yes
<b>HP A-MSR50-60 DC Router Chassis (JF640A)</b>	5	6 FIC/4 SIC	2 GbE/SFP DP	2	2	512/1024 MB	1	4/1	Yes
<b>HP A-MSR50-40 Router Chassis (JD433A)</b>	3	4 FIC/4 SIC	2 GbE/SFP DP	2	2	512/1024 MB	1	4/1	Yes
<b>HP A-MSR50-40 DC Router Chassis (JF285A)</b>	3	4 FIC/4 SIC	2 GbE/SFP DP	2	2	512/1024 MB	1	4/1	Yes

#### HP A-MSR50 Series at a glance...

Modular chassis routers with a full portfolio of WAN, LAN, and voice interfaces, coupled with embedded or integrated hardware-based encryption and voice processing. The series features scalable, high-performance WAN and LAN connectivity, along with comprehensive IPv4 and IPv6 routing for seamless migration.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A-MSR50 Series

##### Processing modules

- HP A-MSR50 G2 Main Processing Unit (JD429B)
- HP A-MSR50 Main Processing Unit (JD653A)
- HP A-MSR50 G2 Multi-Service Module (JD430A)
- HP A-MSR50 Multi-Service Module (JD651A)

##### Transceivers

- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X260 Auxiliary Router Cable (JD508A)
- HP X260 E1 RJ45 3m Router Cable (JD509A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)
- HP X260 8E1 BNC 75 ohm 3m Router Cable (JD512A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 E1 RJ45 20m Router Cable (JD517A)
- HP X260 T1 Router Cable (JD518A)
- HP X200 V.24 DTE 3m Serial Port Cable (JD519A)
- HP X200 V.24 DCE 3m Serial Port Cable (JD521A)

- HP X200 V.35 DTE 3m Serial Port Cable (JD523A)
- HP X200 V.35 DCE 3m Serial Port Cable (JD525A)
- HP X200 X.21 DTE 3m Serial Port Cable (JD527A)
- HP X200 X.21 DCE 3m Serial Port Cable (JD529A)
- HP X260 T3/E3 Router Cable (JD531A)
- HP X260 E3-30 E3/T3 Router Cable (JD533A)
- HP X500 T1/E1 Voice RJ45 Interface Connector (JD535A)
- HP X260 E1 8-port Router Cable (JD635A)
- HP X200 Transit Plug D25F Single Cable (JD636A)
- HP X260 E1 4-port IMA Router Cable (JD638A)
- HP X260 8T1 RJ45 3m Router Cable (JD639A)
- HP X260 T1 4-port IMA Router Cable (JD640A)
- HP X260 Transit RJ45 0.5m Single Cable (JD641A)
- HP X260 SIC-8AS RJ45 0.28m Router Cable (JD642A)
- HP X260 2E1 BNC 3m Router Cable (JD643A)
- HP X260 RS449 3m DTE Serial Port Cable (JF825A)
- HP X260 RS449 3m DCE Serial Port Cable (JF826A)
- HP X260 RS530 3m DTE Serial Port Cable (JF827A)
- HP X260 RS530 3m DCE Serial Port Cable (JF828A)

##### WAN flexible interface card (FIC) modules

- HP A-MSR 2-port 10/100Base-T FIC Module (JD577A)
- HP A-MSR 1-port 1000Base-X FIC Module (JD582A)
- HP A-MSR 1-port Gig-T FIC Module (JD583B)
- HP A-MSR 16-port 10/100Base-T/1-port GbE Combo Switch FIC Module (JD604A)
- HP A-MSR 16-port 10/100Base-T PoE/1-port GbE Combo Switch FIC Module (JD616A)
- HP 24-port 10/100 PoE DFIC Module (JD617A)
- HP A-MSR 2-port E1/CE1/PRI FIC Module (JD578A)
- HP A-MSR 8-port E1/CE1/PRI (75ohm) FIC Module (JD585A)
- HP 24-port 10/100 DFIC A-MSR Module (JD603A)
- HP A-MSR 8-port Enhanced Sync/Async Serial FIC Module (JD580A)
- HP A-MSR 4-port Enhanced Sync/Async Serial FIC Module (JD584A)
- HP 2-port E1 Voice FIC A-MSR Module (JD587A)
- HP 4-port CE1/PRI FIC A-MSR Module (JD588A)
- HP A-MSR 4-port Enhanced ISDN-S/T FIC Module (JD589A)
- HP 4-port Fractional E1 FIC A-MSR Module (JD591A)
- HP A-MSR 4-port T1/Fractional T1 FIC Module (JD592A)
- HP A-MSR 4-port FXO FIC Module (JD593A)
- HP A-MSR 4-port FXS FIC Module (JD594A)
- HP 1-port T3 ATM FIC A-MSR Module (JD595A)
- HP 1-port E3 ATM FIC A-MSR Module (JD596A)
- HP A-MSR 4-port E&M FIC Module (JD602A)
- HP 1-port T1 Voice FIC A-MSR Module (JD605A)
- HP 2-port T1 Voice FIC A-MSR Module (JD606A)
- HP 1-port E1 Voice FIC A-MSR Module (JD607A)
- HP 4-port E1-IMA FIC-75 A-MSR Module (JD622A)
- HP A-MSR 1-port E3/CE3/FE3 FIC Module (JD625A)
- HP A-MSR 1-port T3/CT3/FT3 FIC Module (JD629A)
- HP A-MSR 1-port OC-3c/STM-1c ATM SFP FIC Module (JD633A)

- HP A-MSR 4-port 10/100Base-T FIC Module (JF824A)
- HP 8p Async Serial RJ45 FIC A-MSR Module (JF260B)
- HP 16p Async Serial RJ45 FIC A-MSR Module (JF265B)
- HP 2-port Gig-T RJ45 FIC A-MSR Module (JF269B)
- HP 2p 1000M Ethernet Optical FIC Module (JF270B)

##### WAN smart interface card (SIC) modules

- HP A-MSR 4-port 10/100Base-T Switch SIC Module (JD573B)
- HP A-MSR 1-port 10/100Base-T SIC Module (JD545B)
- HP A-MSR 9-port 10/100Base-T Switch DSIC Module (JD574B)
- HP A-MSR 4-port 10/100Base-T PoE Switch SIC Module (JD620A)
- HP A-MSR 9-port 10/100Base-T PoE Switch DSIC Module (JD621A)
- HP A-MSR 1-port GbE Combo SIC Module (JD572A)
- HP 1-port Analog Modem SIC A-MSR Module (JD536A)
- HP A-MSR 1-port ADSL over POTS SIC Module (JD537A)
- HP A-MSR 1-port T1/Fractional T1 SIC Module (JD538A)
- HP A-MSR 1-port Enhanced Sync/Async Serial SIC Module (JD557A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP A-MSR 1-port ISDN-U SIC Module (JD570A)
- HP A-MSR 1-port ISDN-S/T SIC Module (JD571A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)
- HP 1-port T1-Voice SIC A-MSR Module (JD576A)
- HP A-MSR 2-port FXS/1-port FXO SIC Module (JD632A)

- HP A-MSR 1-port E1/Fractional E1 SIC Module (JD634B)
- HP 2-port Fractional E1 SIC A-MSR Module (JF842A)
- HP A-MSR 2-port ISDN-S/T Voice SIC Module (JF821A)
- HP A-MSR 1-port 100Base-X SIC Module (JF280A)
- HP A-MSR 8-port Async Serial SIC Module (JF281A)
- HP A-MSR 802.11b/g/n Wireless Access Point SIC Module (JF819A)
- HP 3G Wireless GSM/WCDMA WAN SIC Module (JF820A)

##### Voice processors

- HP A-MSR Voice Co-processing Module (JD610A)
- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR 16-Channel Voice Processing Module (JD600A)
- HP A-MSR 8-Channel Voice Processing Module (JD601A)

##### Encryption sub-cards

- HP A-MSR Advanced Network Data Encryption ESM Module (JD608A)
- HP A-MSR Standard Network Data Encryption ESM Module (JD609A)

##### Power supplies

- HP A-MSR50 350W AC Power Supply (JD650A)
- HP A-MSR50 500W PoE Power Module (JD652A)
- HP A-MSR50 350W DC Power Supply (JF443A)

##### License

- HP A-MSR50 Series Standard Version Router Software License (JD434A)

##### Memory

- HP A-Series 256MB DDR2 Register SDRAM (JD647A)
- HP A-Series 512MB DDR2 Register SDRAM (JD648A)

# A-Series products

## Routers (continued)

### HP A-MSR30 Series



	Height (RU)	Module slots	Included ports	USB ports	Enhanced service modules supported	SDRAM (included/available)	CompactFlash slot	Embedded voice support (VPM/VCPM)	Hardware hot-swap
<b>HP A-MSR30-60 PoE Router (JF804A)</b>	1	6 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-60 Router (JF230A)</b>	1	6 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-60 DC Router (JF801A)</b>	1	6 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-40 PoE Router (JF803A)</b>	1	4 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-40 Router (JF229A)</b>	1	4 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-40 DC Router (JF287A)</b>	1	4 MIM/4 SIC	2 GbE/SFP DP	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-20 PoE Router (JF802A)</b>	1	2 MIM/4 SIC	2 GbE	2	2	256/1024 MB	1	3/1	No
<b>HP A-MSR30-20 Router (JF284A)</b>	1	2 MIM/4 SIC	2 GbE	2	2	256/1024 MB	1	2/1	No
<b>HP A-MSR30-20 DC Router (JF235A)</b>	1	2 MIM/4 SIC	2 GbE	2	2	256/1024 MB	1	2/1	No
<b>HP A-MSR30-16 Router (JF233A)</b>	1	1 MIM/4 SIC	2 x 10/100	1	2	256/768 MB	1	2/1	No
<b>HP A-MSR30-16 PoE Router (JF234A)</b>	1	1 MIM/4 SIC	2 x 10/100	1	2	256/768 MB	1	2/1	No
<b>HP A-MSR30-11 Multi-Service Router (JF800A)</b>	1	1 MIM/2 SIC	2 x 10/100, 1 serial	0	1	256 MB	0	0/0	No
<b>HP A-MSR30-10 Router (JF816A)</b>	1	1 MIM/2 SIC	2 x 10/100	1	1	256 MB	0	1/0	No

#### HP A-MSR30 Series at a glance...

Series of routers features a comprehensive portfolio of interface and module options for reliable, scalable LAN and WAN communications, along with unparalleled security and convergence capabilities through embedded and integrated encryption and voice processing. A-MSR30 routers deliver services at up to wire-speed multiple T1/E1 rates, and provide lasting investment protection, reduced capital costs, and lower operating expenses.

Note: DP = Dual-personality port

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A-MSR30 Series

##### Modules

- HP A-MSR 4-port 10/100Base-T MIM Module (JD551A)
- HP A-MSR 8-port Enhanced Sync/Async Serial MIM Module (JD552A)

##### PoE modules (for A-MSR30 PoE routers)

- HP 24-port 10/100 PoE DMIM A-MSR Module (JD619A)
- HP A-MSR 16-port 10/100Base-T PoE Switch MIM Module (JD618A)
- HP A-MSR 9-port 10/100Base-T PoE Switch DSIC Module (JD621A)
- HP A-MSR 4-port 10/100Base-T PoE Switch SIC Module (JD620A)

##### Transceivers

- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

Please refer to the HP A-MSR50 Series for a complete list of applicable cables for the HP A-MSR30 Series

##### WAN multifunction interface modules (MIM)

- HP 24-port 10/100 DMIM A-MSR Module (JD564A)
- HP A-MSR 16-port 10/100Base-T Switch MIM Module (JD569A)
- HP A-MSR 2-port Gig-T MIM Module (JD548A)
- HP A-MSR 2-port 10/100Base-T MIM Module (JD613A)
- HP 1-port E1 Voice MIM A-MSR Module (JD565A)
- HP A-MSR 1-port OC-3c/STM-1c ATM SFP MIM Module (JD624A)
- HP NDEC2 Encryption Accel MIM A-MSR Module (JD554A)
- HP VCX Connect Primary MIM Module (JE252A)
- HP VCX Connect Secondary MIM Connectivity Module (JE253A)
- HP VCX Branch MIM Connectivity Module (JE254A)
- HP A-MSR 4-port E&M MIM Module (JD539A)
- HP A-MSR 4-port Enhanced Sync/Async Serial MIM Module (JD541A)
- HP A-MSR 2-port Enhanced Sync/Async Serial MIM Module (JD540A)
- HP A-MSR 4-port FXO MIM Module (JD542A)
- HP A-MSR 2-port FXO MIM Module (JD543A)
- HP 2-port CE1/PRI MIM A-MSR Module (JD544A)
- HP A-MSR 1-port 4-Wire G.SHDSL MIM Module (JD547A)
- HP A-MSR 2-port T1/CT1/PRI MIM Module (JD549A)
- HP 4-port CE1/CT1 PRI MIM A-MSR Module (JD550A)
- HP A-MSR 4-port FXS MIM Module (JD553A)
- HP 4-port T1 IMA MIM A-MSR Module (JD556A)
- HP 1-port T1 Voice MIM A-MSR Module (JD566A)
- HP 2-port E1-Voice MIM A-MSR Module (JD567A)
- HP 2-port T1-Voice MIM A-MSR Module (JD568A)
- HP A-MSR 1-port T3/CT3/FT3 MIM Module (JD628A)
- HP A-MSR 1-port E3/CE3/FE3 MIM Module (JD630A)
- HP A-MSR 16-port 10/100Base-T Switch XMIM Module (JF279A)
- HP A-MSR 24-port 10/100Base-T Switch XMIM Module (JF276A)
- HP A-MSR 8-port Enhanced Async Serial MIM Module (JF840A)
- HP A-MSR 16-port Enhanced Async Serial MIM Module (JF841A)
- HP A-MSR 16-port FXS MIM Module (JF822A)
- HP A-MSR 4-port ISDN-S/T Voice MIM Module (JF837A)
- HP A-MSR 8-port E1/CE1/PRI (75ohm) MIM Module (JD563A)
- HP A-MSR 8-port E1/Fractional E1 (75ohm) MIM Module (JF255A)

##### WAN smart interface card (SIC) modules

- HP A-MSR 1-port GbE Combo SIC Module (JD572A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP A-MSR 2-port FXS/1-port FXO SIC Module (JD632A)
- HP A-MSR 1-port ISDN-U SIC Module (JD570A)
- HP A-MSR 1-port ISDN-S/T SIC Module (JD571A)
- HP 1-port T1-Voice SIC A-MSR Module (JD576A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)
- HP A-MSR 1-port T1/Fractional T1 SIC Module (JD538A)
- HP A-MSR 1-port E1/Fractional E1 SIC Module (JD634B)
- HP 1-port Analog Modem SIC A-MSR Module (JD536A)
- HP A-MSR 1-port ADSL over POTS SIC Module (JD537A)
- HP A-MSR 1-port Enhanced Sync/Async Serial SIC Module (JD557A)
- HP 2-port Fractional E1 SIC A-MSR Module (JF842A)
- HP A-MSR 2-port ISDN-S/T Voice SIC Module (JF821A)
- HP A-MSR 1-port 100Base-X SIC Module (JF280A)

- HP A-MSR 8-port Async Serial SIC Module (JF281A)
- HP A-MSR 802.11b/g/n Wireless Access Point SIC Module (JF819A)
- HP 3G Wireless GSM/WCDMA WAN SIC Module (JF820A)

##### Voice processors

- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR 16-Channel Voice Processing Module (JD600A)
- HP A-MSR 8-Channel Voice Processing Module (JD601A)
- HP A-MSR Voice Co-processing Module (JD610A)

##### Encryption sub-cards

- HP A-MSR Advanced Network Data Encryption ESM Module (JD608A)
- HP A-MSR Standard Network Data Encryption ESM Module (JD609A)

##### Power supplies

- HP A-RPS800 Redundant Power System (JD183A)
- HP X290 A-MSR30 1m RPS Cable (JD637A)

##### Software


- HP A-MSR30 Series Standard Version Router Software License (JD679A)

##### Memory

- HP A-Series 256MB DDR2 Register SDRAM (JD647A)
- HP A-Series 512MB DDR2 Register SDRAM (JD648A)

# A-Series products

## Routers (continued)

	Height (RU)	Module slots	Included ports	USB ports	Enhanced service modules supported	SDRAM (included/available)	CompactFlash slot	Embedded voice support (VPM/VCPM)	Hardware hot-swap
<b>HP A-MSR20 Series</b>									
	1	4 SIC	2 x 10/100	1	2	256/384 MB	1	2/1	
	1	2 SIC	2 x 10/100	1	1	256/384 MB	1		
	1	2 SIC	2 x 10/100 + 8 switched 10/100	1	1	256/384 MB	1		

### HP A-MSR20 Series at a glance...

Flexible, economical, full-featured multiservice routers with 10/100 LAN ports, designed for converged WAN, wired and wireless LAN traffic at enterprise branch locations and small to medium-sized businesses.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A-MSR20 Series

##### Transceivers

- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

##### Cables

- HP X260 Auxiliary Router Cable (JD508A)
- HP X260 SIC-8AS RJ45 0.28m Router Cable (JD642A)
- HP X260 T1 Router Cable (JD518A)

- HP X500 T1/E1 Voice RJ45 Interface Connector (JD535A)
- HP X260 2E1 BNC 3m Router Cable (JD643A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 E1 RJ45 20m Router Cable (JD517A)
- HP X260 E1 RJ45 3m Router Cable (JD509A)
- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)
- HP X200 V.24 DTE 3m Serial Port Cable (JD519A)
- HP X200 V.24 DCE 3m Serial Port Cable (JD521A)
- HP X200 V.35 DTE 3m Serial Port Cable (JD523A)
- HP X200 V.35 DCE 3m Serial Port Cable (JD525A)
- HP X200 X.21 DTE 3m Serial Port Cable (JD527A)
- HP X200 X.21 DCE 3m Serial Port Cable (JD529A)

- HP X200 Transit Plug D25F Single Cable (JD636A)
- HP X260 Transit RJ45 0.5m Single Cable (JD641A)
- HP X260 RS449 3m DTE Serial Port Cable (JF825A)
- HP X260 RS449 3m DCE Serial Port Cable (JF826A)
- HP X260 RS530 3m DTE Serial Port Cable (JF827A)
- HP X260 RS530 3m DCE Serial Port Cable (JF828A)

##### WAN smart interface card (SIC) modules

- HP A-MSR 1-port GbE Combo SIC Module (JD572A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP A-MSR 2-port FXS/1-port FXO SIC Module (JD632A)

- HP A-MSR 1-port ISDN-U SIC Module (JD570A)
- HP A-MSR 1-port ISDN-S/T SIC Module (JD571A)
- HP 1-port T1-Voice SIC A-MSR Module (JD576A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)
- HP A-MSR 1-port T1/Fractional T1 SIC Module (JD538A)
- HP A-MSR 1-port E1/Fractional E1 SIC Module (JD634B)
- HP 1-port Analog Modem SIC A-MSR Module (JD536A)
- HP A-MSR 1-port ADSL over POTS SIC Module (JD537A)
- HP A-MSR 1-port Enhanced Sync/Async Serial SIC Module (JD557A)
- HP 2-port Fractional E1 SIC A-MSR Module (JF842A)
- HP A-MSR 2-port ISDN-S/T Voice SIC Module (JF821A)
- HP A-MSR 1-port 100Base-X SIC Module (JF280A)
- HP A-MSR 8-port Async Serial SIC Module (JF281A)

- HP A-MSR 802.11b/g/n Wireless Access Point SIC Module (JF819A)
- HP 3G Wireless GSM/WCDMA WAN SIC Module (JF820A)

##### Voice processors (for use in HP A-MSR20-40 routers)

- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR 16-Channel Voice Processing Module (JD600A)
- HP A-MSR 8-Channel Voice Processing Module (JD601A)
- HP A-MSR Voice Co-processing Module (JD610A)

##### Encryption sub-cards


- HP A-MSR Advanced Network Data Encryption ESM Module (JD608A)
- HP A-MSR Standard Network Data Encryption ESM Module (JD609A)

##### Memory

- HP A-MSR 256MB SDRAM SO-DIMM Memory (JD677A)

# A-Series products

## Routers (continued)

	Height (RU)	Module slots	Included ports	USB ports	SDRAM (included/available)	Embedded voice support (VPM/VCPM)
<b>HP A-MSR20-1x Series</b>						
						
<b>HP A-MSR20-15 AW Multi-Service Router (JF238A)</b>	1	1 SIC	1 x ADSL2+ + 1 x 10/100 + 4 switched 10/100 + 1 x AM + .11b/g	1	256/256 MB	1/0
<b>HP A-MSR20-15 A Multi-Service Router (JF237A)</b>	1	1 SIC	1 x ADSL2+ + 1 x 10/100 + 4 switched 10/100 + 1 AM	1	256/256 MB	1/0
<b>HP A-MSR20-15 IW Multi-Service Router (JF809A)</b>	1	1 SIC	1 x ADSL2+ + 1 x 10/100 + 4 switched 10/100 + 1 x ISDN BRI+.11b/g	1	256/256 MB	1/0
<b>HP A-MSR20-15 I Multi-Service Router (JF236A)</b>	1	1 SIC	1 x ADSL2+ + 1 x 10/100 + 4 switched 10/100 + 1 x ISDN BRI	1	256/256 MB	1/0
<b>HP A-MSR20-13 Router (JF240A)</b>	1	1 SIC	1 x G.SHDSL + 1 x 10/100 + 4 switched 10/100	1	256/256 MB	
<b>HP A-MSR20-13-W Router (JF808A)</b>	1	1 SIC	1 x G.SHDSL+ + 1 x 10/100 + 4 switched 10/100 + .11b/g	1	256/256 MB	
<b>HP A-MSR20-12 Router (JF241A)</b>	1	1 SIC	1 x E1 + 1 x 10/100 + 4 switched 10/100	1	256/256 MB	1/0
<b>HP A-MSR20-12-T Router (JF806A)</b>	1	1 SIC	1 x T1 + 1 x 10/100 + 4 switched 10/100	1	256/256 MB	1/0
<b>HP A-MSR20-12-W Router (JF807A)</b>	1	1 SIC	1 x E1 + 1 x 10/100 + 4 switched 10/100 + .11b/g	1	256/256 MB	1/0
<b>HP A-MSR20-11 Router (JF239A)</b>	1	1 SIC	1 x Serial + 1 x 10/100 + 4 switched 10/100	1	256/256 MB	
<b>HP A-MSR20-10 Router (JD431A)</b>	1	1 SIC	1 x 10/100 + 4 switched 10/100	1	256/256 MB	

### HP A-MSR20-1x Series at a glance...

Router series geared toward multiservice applications, delivering concurrent services of data, voice, and video at wire speed. Includes enhanced hardware to provide embedded security and enhanced performance while providing services covering VoIP, business video, and network analysis. Options include scalable embedded voice processing modules and high-density multiple interface modules for VoIP and WAN applications.

**Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)**

### HP A-MSR20-1x Series

#### Transceivers

- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

#### Cables

- HP X260 SIC-8AS RJ45 0.28m Router Cable (JD642A)
- HP X500 T1/E1 Voice RJ45 Interface Connector (JD535A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 2E1 BNC 3m Router Cable (JD643A)
- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X200 V.24 DTE 3m Serial Port Cable (JD519A)
- HP X200 V.24 DCE 3m Serial Port Cable (JD521A)
- HP X200 V.35 DTE 3m Serial Port Cable (JD523A)
- HP X200 V.35 DCE 3m Serial Port Cable (JD525A)
- HP X200 X.21 DTE 3m Serial Port Cable (JD527A)

- HP X200 X.21 DCE 3m Serial Port Cable (JD529A)
- HP X200 Transit Plug D25F Single Cable (JD636A)
- HP X260 Transit RJ45 0.5m Single Cable (JD641A)

#### WAN smart interface card (SIC) modules

- HP A-MSR 1-port GbE Combo SIC Module (JD572A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP A-MSR 2-port FXS/1-port FXO SIC Module (JD632A)
- HP A-MSR 1-port ISDN-U SIC Module (JD570A)
- HP A-MSR 1-port ISDN-S/T SIC Module (JD571A)
- HP A-MSR 1-port T1/Fractional T1 SIC Module (JD538A)
- HP 1-port Analog Modem SIC A-MSR Module (JD536A)
- HP A-MSR 1-port ADSL over POTS SIC Module (JD537A)
- HP A-MSR 1-port Enhanced Sync/Async Serial SIC Module (JD557A)
- HP A-MSR 1-port E1/Fractional E1 SIC Module (JD634B)
- HP 2-port Fractional E1 SIC A-MSR Module (JF842A)
- HP A-MSR 2-port ISDN-S/T Voice SIC Module (JF821A)
- HP A-MSR 1-port 100Base-X SIC Module (JF280A)


- HP A-MSR 8-port Async Serial SIC Module (JF281A)
- HP A-MSR 802.11b/g/n Wireless Access Point SIC Module (JF819A)
- HP 3G Wireless GSM/WCDMA WAN SIC Module (JF820A)

#### Voice processors (for use in HP A-MSR20-15/20-12 routers)

- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR 16-Channel Voice Processing Module (JD600A)
- HP A-MSR 8-Channel Voice Processing Module (JD601A)
- HP A-MSR Voice Co-processing Module (JD610A)

# A-Series products

## Routers (continued)

	Height (RU)	Module slots	Included ports	USB ports	SDRAM (included/available)	Embedded voice support (VPN/VCPM)
<b>HP A-MSR900 Series</b>						
	HP A-MSR900 Router (JF812A)	1	2 x 10/100 + 4 switched 10/100	1	256 MB/256 MB	
	HP A-MSR920 Router (JF813A)	1	2 x 10/100 + 8 switched 10/100	1	256 MB/256 MB	
	HP A-MSR900-W Router (JF814A)	1	2 x 10/100 + 4 switched 10/100 + 11b/g	1	256 MB/256 MB	
	HP A-MSR920-W Router (JF815A)	1	2 x 10/100 + 8 switched 10/100 + 11b/g	1	256 MB/256 MB	
<p><b>HP A-MSR900 Series at a glance...</b>            Featuring advanced software and an industry-leading hardware platform, the HP A-MSR900 Series Multi-Service Router with IEEE 802.11b/g provides enhanced performance, security, and reliability for enterprise networks.</p>						

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)


### HP A-MSR900 Series

These products have no modules or accessories.

# A-Series products

## Wireless LAN

### Access controller modules

	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	APs managed (std)	APs managed (max)	Wireless users managed (max)	Layer 3 roaming support	Fast roaming support	Embedded server for authentication	Redundancy support
<b>HP Access Controller Module Series</b>									
			128	640	20K	Yes	Yes	Yes	N+N, N+1, 1+1
			64	256	4K	Yes	Yes	Yes	N+N, N+1, 1+1
			128	640	20K	Yes	Yes	Yes	N+N, N+1, 1+1
			32	64	2K	Yes	Yes	Yes	N+N, N+1, 1+1

#### HP Access Controller Module Series at a glance...

The HP A7500/A9500 Access Controller Module is an access controller module for the HP A7500/A9500 series Ethernet switches. By featuring large capacity, high reliability, and rich services, as well as offering strong wireless data processing capacity, the controller modules are designed to provide ideal access control solutions for the WLAN access of large enterprise campus networks, wireless MAN coverage, and hot-spot coverage.

HP A5800 Access Controller OAA Module (JD441A) is designed to satisfy the deployment requirements of large-sized wireless networks. HP A5800 Access Controller Module (JD443A) is designed to satisfy the deployment requirements of medium-sized wireless networks.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Access Controller Module Series

##### Access points managed

- HP A-WA2620E-AGN Dual Radio 802.11n Plenum FIT Access Point (JD453A)
- HP A-WA2620-AGN Dual Radio 802.11n FIT Access Point (JD472A)

- HP A-WA2610E-AGN Single Radio 802.11n Plenum FIT Access Point (JD452A)
- HP A-WA2612 Single Radio 802.11n Access Point (JD445A)
- HP A-WA2220-AG Dual Radio 802.11a/b/g FIT Access Point (JD451A)
- HP A-WA2110-AG Single Radio 802.11a/b/g FIT Access Point (JD446B)

#### HP A7500/A9500 Access Controller Module License

- HP A-WX Blade 128 Access Point License Upgrade (JD464A)

#### HP A5800 Access Controller Module License

- HP A-WX5000 32 Access Point License Upgrade (JD463A)

#### HP A5800 Access Controller OAA Module (JD441A) applicable switches

- HP A5820X-14XG-SFP+ Switch with 2 Interface Slots & 1 OAA Slot (JC106A)
- HP A5800-48G-PoE+ Switch with 2 Interface Slots (JC101A)

#### HP A5800 Access Controller Module (JD443A) applicable switches

- HP A5800-48G-PoE+ Switch with 1 Interface Slot (JC104A)
- HP A5800-48G-PoE+ Switch with 2 Interface Slots (JC101A)
- HP A5800-48G Switch with 1 Interface Slot (JC105A)
- HP A5800-24G-SFP Switch with 1 Interface Slot (JC103A)
- HP A5800-24G-PoE+ Switch (JC099A)
- HP A5800-24G Switch (JC100A)

# A-Series products

## Wireless LAN (continued)

### Wireless controllers

#### HP A-WX5000 Access Controller Series



	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	APs managed (std)	APs managed (max)	Wireless users managed (max)	Layer 3 roaming support	Fast roaming support	Embedded server for authentication	Redundancy support
<b>HP A-WX5002 Access Controller (JD447B)</b>	0/2(DP)/0		32	64	2K	Yes	Yes	Yes	N+N, N+1, 1+1
<b>HP A-WX5004 Access Controller (JD448B)</b>	0/4 (DP)/0		64	256	4K	Yes	Yes	Yes	N+N, N+1, 1+1

#### HP A-WX5000 Access Controller Series at a glance...

The A-WX5000 series access controllers include two models: A-WX5002 and A-WX5004 access controllers. Both of them facilitate network VLAN deployment, enforce access privileges, and control quality of service (QoS) for wireless users.

Note: DP = Dual-personality port

#### HP A3000G Wireless Switch Series



<b>HP A3000-24G-PoE+ Wireless Switch (JD449A)</b>	0/24/2	24	24	48	1K	Yes	Yes	Yes	N+N, N+1, 1+1
<b>HP A3000-10G-PoE+ Wireless Switch (JD450A)</b>	0/10/0	8	12	24	1K	Yes	Yes	Yes	N+N, N+1, 1+1
<b>HP A3000-8G-PoE+ Wireless Switch (JD444A)</b>	0/8/0	4	8	8	1K	Yes	Yes	Yes	N+N, N+1, 1+1

#### HP A3000G Wireless Switch Series at a glance...

The A3000G series switches provide 1000 Mbps Ethernet ports, each supporting a maximum power of 25 W, PoE+ (draft), and IEEE 802.11a/b/g/n APs while delivering unified wired and wireless access control functions.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A-WX5000 Access Controller Series

##### Transceivers

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)

##### Power supplies\*

- HP A5800/A5500 150W AC Power Supply (JD362A)
- HP A5800/A5500 150W DC Power Supply (JD366A)

##### License

- HP A-WX5000 32 Access Point License Upgrade (JD463A)

##### Access points managed

- HP A-WA2620E-AGN Dual Radio 802.11n Plenum FIT Access Point (JD453A)
- HP A-WA2620-AGN Dual Radio 802.11n FIT Access Point (JD472A)
- HP A-WA2610E-AGN Single Radio 802.11n Plenum FIT Access Point (JD452A)
- HP A-WA2612 Single Radio 802.11n Access Point (JD445A)
- HP A-WA2220-AG Dual Radio 802.11a/b/g FIT Access Point (JD451A)
- HP A-WA2110-AG Single Radio 802.11a/b/g FIT Access Point (JD446B)

#### HP A3000G Wireless Switch Series

##### Modules

- HP 1-port 10-GbE XFP A5100 Module (JD339A)

##### Transceivers

- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X120 1G SFP LC LH100 Transceiver (JD103A)

##### License

- HP A-WX3000 12 Access Point License Upgrade (JD462A)

##### Access points managed

- HP A-WA2620E-AGN Dual Radio 802.11n Plenum FIT Access Point (JD453A)
- HP A-WA2620-AGN Dual Radio 802.11n FIT Access Point (JD472A)
- HP A-WA2610E-AGN Single Radio 802.11n Plenum FIT Access Point (JD452A)

- HP A-WA2612 Single Radio 802.11n Access Point (JD445A)
- HP A-WA2220-AG Dual Radio 802.11a/b/g FIT Access Point (JD451A)
- HP A-WA2110-AG Single Radio 802.11a/b/g FIT Access Point (JD446B)

#### HP A3000-24G-PoE+ Wireless Switch (JD449A)


- HP 1-Port 10-GbE XFP A3000 Module (JD339A)
- HP X135 LC LR XFP Transceiver (JD088A)
- HP X130 SC ZR XFP Transceiver (JD107A)
- HP X130 SC LR XFP Transceiver (JD108B)
- HP X130 LC SR XFP Transceiver (JD117B)
- HP X135 LC ER XFP Transceiver (JD121A)

\*Power supply not included. One power supply is required for operation; two for redundancy.

# A-Series products

## Wireless LAN (continued)

### Wireless access points

	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	Dual radio design	Virtual AP/multiple SSID	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Standard antennas	External antennas (may be optional)	
<b>HP A-802.11n Access Point Series</b>										
	HP A-WA2620E-AGN Dual Radio 802.11n Plenum FIT Access Point (JD453A)	1 GbE	1 PoE+	Yes	32		Yes	a, b, g, n	6	6
	HP A-WA2620-AGN Dual Radio 802.11n FIT Access Point (JD472A)	1 GbE	1	Yes	32		Yes	a, b, g, n	6	3
	HP A-WA2610E-AGN Single Radio 802.11n Plenum FIT Access Point (JD452A)	1 GbE	1	No	16		Yes	a, b, g, n	3	3
	HP A-WA2612 Single Radio 802.11n Access Point (JD445A)	1 GbE	1	No	16		Yes	a, b, g, n	3	No
<p><b>HP A-802.11n Access Point Series at a glance...</b>            IEEE 802.11a/b/g/n wireless LAN managed access point series with a Gigabit Ethernet interface and virtual AP capabilities for robust networking and flexible deployment. The series supports up to 64 wireless users per radio and features up-to-date standards-based security, and interoperability with HP A-series wireless controllers. Some models are rated for extreme conditions of heat.</p>										

### HP A-802.11a/b/g Access Point Series



	HP A-WA2220-AG Dual Radio 802.11a/b/g FIT Access Point (JD451A)	1	1	Yes	32		Yes	a, b, g	2	No
	HP A-WA2110-AG Single Radio 802.11a/b/g FIT Access Point (JD446B)	1	1	No	16		Yes	a, b, g	2	No
<p><b>HP A-802.11a/b/g Access Point Series at a glance...</b>            IEEE 802.11a/b/g access points that support 64 or 128 users, help ensure wireless connectivity for both 2.4 and 5 GHz clients, and are compatible with HP A-series wireless access controllers. The series supports virtual AP services and multiple hardware encryption/decryption algorithms, including WPA2 with Advanced Encryption Standard (AES), WEP, and Temporal Key Integrity Protocol (TKIP).</p>										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP A-802.11n Access Point Series

- HP A-WA2620-AGN Dual Radio 802.11n FIT Access Point (JD472A)
- HP 2/5GHz Ceiling MIMO 3 Antenna (JD455A)
- HP A-WA2610E-AGN Single Radio 802.11n Plenum FIT Access Point (JD452A)

- HP 2/5GHz Ceiling MIMO 3 Antenna (JD455A)
- HP A-WA2620E-AGN Dual Radio 802.11n Plenum FIT Access Point (JD453A)
- HP 2/5GHz Ceiling MIMO 6 Antenna (JD454A)

#### HP A-802.11a/b/g Access Point Series


This series has no modules or accessories.




# A-Series products

## Wireless LAN (continued)

### Wireless bridges

	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	Dual radio design	Virtual AP/multiple SSID	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Standard antennas	External antennas (optional)
<b>HP Wireless Workgroup Bridge</b>									
	1/0					Yes	a, b, g	1	Yes
<b>HP 802.11a/b/g Workgroup Bridge (JD896A)</b> <b>HP Wireless Workgroup Bridge at a glance...</b> Wi-Fi certified wireless LAN workgroup bridge that enables legacy wired Ethernet network devices—PCs, laptops, cameras—to be quickly, easily, and securely connected to the wireless LAN. Can support up to 16 simultaneous clients at speeds up to 108 Mbps.									

<b>HP 802.11a Integrated Outdoor Bridge and Access Point</b>									
	1/0	Yes	Yes	Yes	Yes	Yes	a, b, g	2	Yes
<b>HP 802.11a Integrated Outdoor Bridge and Access Point (JD899A)</b> <b>HP 802.11a Integrated Outdoor Bridge and Access Point at a glance...</b> Combination building-to-building bridge and access point that provides connectivity at up to 108 Mbps for 128 users. Allows point-to-point or point-to-multipoint bridge functionality on one band while simultaneously using another band for access point operation, providing connectivity for mobile users. Access point, repeater, or bridge functionality can be independently configured on both radios.									

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Wireless Workgroup Bridge

##### Antenna

- HP 2.5dBi Dual Band Antenna for M162 802.11a/b/g Workgroup Bridge (JD901A)

#### HP 802.11a Integrated Outdoor Bridge and Access Point

##### Antennas

- HP 18/20dBi Dual Band Panel Antenna (JD909A)
- HP 8/10dBi Dual Band Patch Antenna (JD911A)
- HP 6/8dBi Dual Band Omni Antenna (JD907A)

##### Cables

- HP X270 Ultra Low Loss N-to-N 1.8m (6ft) Antenna Cable (JD912A)
- HP X270 Ultra Low Loss N-to-N 6.1m (20ft) Antenna Cable (JD913A)
- HP Ultra Low Loss N-to-N 15.2m (50ft) Antenna Cable (JD914A)

# A-Series products

## Network management

### Management software

	Maximum network size	Platform	External database support	Extensible for 3rd-party device support	Downloadable trial version	Deployment options	Additional node licenses supported	Bulk agent updates	Bulk configuration
<b>HP Intelligent Management Center Standard Software Platform</b>									
<b>HP Intelligent Management Center Standard Software Platform with 100-node License (JF377A)</b>	Unlimited	Windows®, Red Hat Linux	Yes*	Yes	Yes	Centralized, distributed, hierarchical (child)	Yes	Yes	Enhanced

#### HP Intelligent Management Center Standard Software Platform at a glance...

HP Intelligent Management Center (IMC) Standard Software Platform is next-generation management software that provides a self-contained, comprehensive management platform with the flexibility and scalability to meet the needs of advanced enterprise networks.

### HP Intelligent Management Center Enterprise Software Platform

<b>HP Intelligent Management Center Enterprise Software Platform with 200-node and 2-NTA-IMC node License (JF378A)</b>	Unlimited	Windows, Red Hat Linux	Yes*	Yes		Centralized, distributed, hierarchical (parent)	Yes		
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#### HP Intelligent Management Center Enterprise Software Platform at a glance...

HP Intelligent Management Center Enterprise Software Platform allows additional scaling to tens of thousands of nodes by offering a hierarchical mode of deployment.

### HP A-IMC Network Traffic Analyzer Software

<b>HP A-IMC Network Traffic Analyzer Software Module with 10-node License (JF384A)</b>	50 nodes max	Windows, Red Hat Linux	Yes*	Yes	Yes	Centralized, distributed	Yes		
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#### HP A-IMC Network Traffic Analyzer Software at a glance...

HP A-IMC Network Traffic Analyzer Software provides traffic analysis and visibility services for HP IMC.

### HP A-IMC User Behavior Auditor Software

<b>HP A-IMC User Behavior Auditor Software Module with 200-user License (JF421A)</b>	Unlimited	Windows, Red Hat Linux	Yes**			Centralized, distributed	Yes		
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#### HP A-IMC User Behavior Auditor Software at a glance...

HP A-IMC User Behavior Auditor Software delivers intelligent logging and network analysis of internal users, providing a behavioral audit service for HP IMC.

### HP A-IMC QoS Manager Software

<b>HP A-IMC QoS Manager Software Module License (JF408A)</b>	Unlimited	Windows, Red Hat Linux	Yes*		Yes	Centralized, distributed	Yes		Yes
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#### HP A-IMC QoS Manager Software at a glance...

HP A-IMC QoS Manager Software enables traffic classification and control, and service-level reporting for HP IMC.

### HP A-IMC User Authentication Management Software

<b>HP A-IMC User Authentication Management Software Module with 200-user License (JF388A)</b>	Unlimited	Windows, Red Hat Linux	Yes**	Yes	Yes	Centralized, distributed	Yes		
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#### HP A-IMC User Authentication Management Software at a glance...

HP A-IMC User Authentication Management Software enhances networking security and network management with HP IMC by providing access control for users and device management, extending management to network users.

### HP A-IMC Endpoint Admission Defense Software

<b>HP A-IMC Endpoint Admission Defense Software Module with 200-user License (JF391A)</b>	Unlimited	Windows, Red Hat Linux	Yes**		Yes	Centralized, distributed	Yes		
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#### HP A-IMC Endpoint Admission Defense Software at a glance...

HP A-IMC Endpoint Admission Defense Software helps companies use HP IMC to control and secure their mission-critical data by providing robust Network Access Control (NAC).

\*IMC can support either Microsoft® SQL, MySQL, or Oracle Database, depending on the operating system in use.

\*\*IMC can support either Microsoft SQL or Oracle Database, depending on the operating system in use.

# A-Series products

## Network management (continued)

Management software (continued)									
	Maximum network size	Platform	External database support	Extensible for 3rd-party device support	Downloadable trial version	Deployment options	Additional node licenses supported	Bulk agent updates	Bulk configuration
<b>HP A-IMC Wireless Service Manager Software</b>									
<b>HP A-IMC Wireless Service Manager Software Module with 50-Access Point License (JF414A)</b>	Unlimited	Windows, Red Hat Linux			Yes	Centralized, distributed	Yes		Yes
<b>HP A-IMC Wireless Service Manager Software at a glance...</b> HP A-IMC Wireless Service Manager Software delivers wired and wireless enterprise network management solutions for HP IMC.									
<b>HP A-IMC MPLS VPN Software</b>									
<b>HP A-IMC MPLS VPN Software Module with 50-node License (JF410A)</b>	Unlimited	Windows, Red Hat Linux		Yes	Yes	Centralized, distributed	Yes	Yes	Yes
<b>HP A-IMC MPLS VPN Software at a glance...</b> HP A-IMC MPLS VPN Software provides MPLS VPN discovery, topology, monitoring, auditing, performance, and VPN deployment for HP IMC.									
<b>HP A-IMC Voice Services Manager Software</b>									
<b>HP A-IMC Voice Services Manager Software Module with 100-phone License (JF402A)</b>	Unlimited	Windows	Yes*		Yes	Centralized, distributed	Yes		Yes
<b>HP A-IMC Voice Services Manager Software at a glance...</b> HP A-IMC Voice Services Manager Software delivers secure, reliable, and managed IP telephony services for HP IMC.									
<b>HP A-IMC IPsec VPN Manager Software</b>									
<b>HP A-IMC IPsec VPN Manager Software Module with 25-node License (JG144A)</b>	Unlimited	Windows	Yes**		Yes	Centralized, distributed	Yes	Yes	Yes
<b>HP A-IMC IPsec VPN Manager Software at a glance...</b> HP A-IMC IPsec VPN manages IPsec devices and provides detailed information regarding the private network and visibility in the topology.									
<b>HP A-IMC Service Operation Management Software</b>									
<b>HP A-IMC Service Operation Management Software Module License (JG139A)</b>	Unlimited	Windows, Red Hat Linux	Yes**		Yes	Centralized, distributed	Yes		Yes
<b>HP A-IMC Service Operation Management Software at a glance...</b> HP A-IMC Service Operation Management Software provides full workflow management to ticket creation, resolution, and knowledge-base creation, and integrates with IMC's configuration center and fault management.									
<b>HP 3ND/EMS/PCM+ to Intelligent Management Center Standard</b>									
<b>HP 3ND/EMS/PCM+ to Intelligent Management Center Standard Upgrade License (JG140A)</b>	Unlimited	Windows, Red Hat Linux	Yes*	Yes		Centralized, distributed, hierarchical (child)	Yes	Yes	Enhanced
<b>HP 3ND/EMS/PCM+ to Intelligent Management Center Standard at a glance...</b> HP 3ND/EMS/PCM+ Intelligent Management Center provides discounted pricing to existing 3ND, EMS, or PCM+ customers who are migrating to HP IMC.									
<b>3Com to HP OpenView Network Node Manager Integration Kit</b>									
<b>3Com to HP OpenView Network Node Manager Integration Kit (JD801A)</b>	Unlimited	Windows	Yes**	Yes			Yes	Yes	Yes
<b>3Com to HP OpenView Network Node Manager Integration Kit at a glance...</b> 3Com to HP OpenView Network Node Manager Integration Kit allows integration of HP IMC with HP Network Node Manager.									

\*IMC can support either Microsoft SQL, MySQL, or Oracle Database, depending on the operating system in use.

\*\*IMC can support either Microsoft SQL or Oracle Database, depending on the operating system in use.

# E-Series products

For customers seeking essential proven technology that's affordable and easy to use while providing scalability for future needs.

## Key features:

- Deployment simplicity
- Ease of use
- Industry-leading TCO
- Single-pane-of-glass management
- Lifetime warranty (for as long as you own the product, on most products)

## Switches

### Modular switches

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity (Gbps)	Switching capacity/with v2 modules (Gbps)
<b>HP E8200 zl Switch Series</b>											
<b>HP E8212 zl Switch with Premium Software (J9641A)</b>	9	12	288	288	288	288	288	288	96	645.6	1123.2
<b>HP E8206 zl Switch with Premium Software (J9640A)</b>	6	6	144	144	144	144	144	144	48	322.8	561.6
<b>HP E8206-44G-PoE+/2XG-SFP+ v2 zl Switch with Premium Software (J9638A)</b>	6	6	144	144	144	144	144	144	48	322.8	561.6
<b>HP E8212-92G-PoE+/2XG-SFP+ v2 zl Switch with Premium Software (J9639A)</b>	9	12	288	288	288	288	288	288	96	645.6	1123.2



### HP E8200 zl Switch Series at a glance...

Core, distribution, and mission-critical access layer switch with advanced high availability, Layer 2 to Layer 4 and intelligent edge feature set, and enterprise-class performance and security. Integrated solutions are available with HP Services zl modules. Scalable 10 Gb and 10/100/1000 Gb connectivity is provided in a modular form factor.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E8200 zl Switch Series

##### Modules

- HP 8-port 10 GbE SFP+ v2 zl Module (J9538A)
- HP 20-port Gig-T PoE+/2-port 10-GbE SFP+ v2 zl Module (J9536A)
- HP 20-port Gig-T/2-port 10-GbE SFP+ v2 zl Module (J9548A)
- HP 20-port Gig-T PoE+/4-port SFP v2 zl Module (J9535A)
- HP 20-port Gig-T/4-port SFP v2 zl Module (J9549A)
- HP 24-port SFP v2 zl Module (J9537A)
- HP 12-port Gig-T PoE+/12-port SFP v2 zl Module (J9637A)
- HP 24-port Gig-T PoE+ v2 zl Module (J9534A)
- HP 24-port Gig-T v2 zl Module (J9550A)
- HP 24-port 10/100 PoE+ v2 zl Module (J9547A)
- HP 24-port 10/100/1000 PoE zl Module (J8702A)
- HP 4-Port 10 GbE CX4 zl Module (J8708A)
- HP 20-Port Gig-T/4-Port Mini-GBIC zl Module (J8705A)

- HP 24-Port Mini-GBIC zl Module (J8706A)
- HP 4-Port 10 GbE X2 zl Module (J8707A)
- HP E8200 zl Management Module (J9092A)
- HP E8200 zl Fabric Module (J9093A)
- HP E8200 zl System Support Module (J9095A)
- HP E8206 zl Switch Fan Tray (J9476A)
- HP E8212 zl Switch Fan Tray (J9094A)
- HP 24-Port 10/100/1000 PoE+ zl Module (J9307A)
- HP 24-Port 10/100 PoE+ zl Module (J9478A)
- HP 20-Port 10/100/1000 PoE+/4-Port Mini-GBIC zl Module (J9308A)
- HP 4-Port 10 GbE SFP+ zl Module (J9309A)
- HP Extended Services zl Module with Riverbed Steelhead RiOS Application (J9517A)
- HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet (J9486A)

- HP Survivable Branch Communication zl Module powered by Microsoft Lync (J9485A)
- HP Services zl Module (J9289A)
- HP PCM+ Agent with ONE Services zl Module (J9496A)
- HP Advanced Services zl Module (J9483A)
- HP Threat Management Services zl Module (J9155A)
- HP Threat Management Services zl Module with 1-year IDS/IPS subscription (J9156A)

##### Transceivers

Please refer to the HP E5400 zl Switch Series for a complete list of applicable transceivers for the HP E8200 zl Switch Series

##### Cables

- HP X242 SFP+ SFP+ 1 m Direct Attach Cable (J9281B)
- HP X242 SFP+ SFP+ 3 m Direct Attach Cable (J9283B)
- HP X242 SFP+ SFP+ 7 m Direct Attach Cable (J9285B)
- HP X244 XFP SFP+ 1 m Direct Attach Cable (J9300A)
- HP X244 XFP SFP+ 3 m Direct Attach Cable (J9301A)

- HP X244 XFP SFP+ 5 m Direct Attach Cable (J9302A)
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Power supply

- HP 875 W zl Power Supply (J8712A)
- HP 1500 W zl Power Supply (J8713A)
- HP 1500 W PoE+ zl Power Supply (J9306A)

##### EPS/RPS

- HP zl Power Supply Shelf (J8714A)

##### License

- HP E8200 zl Switch Premium License (J9474A)

##### WLAN

- HP E-MSM765zl Mobility Controller (J9370A)

##### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### Modular switches (continued)

HP E5400 zl Switch Series	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity (Gbps)	Switching capacity/with v2 modules (Gbps)
 HP E5412-96G zl Switch (J8700A)	7	12	288	288	288	288	288	288	96	645.6	758.4
HP E5406-48G zl Switch (J8699A)	4	6	144	144	144	144	144	144	48	322.8	379.2
HP E5412 zl Switch with Premium Software (J9643A)	7	12	288	288	288	288	288	288	95	645.6	758.4
HP E5406 zl Switch with Premium Software (J9642A)	4	6	144	144	144	144	144	144	48	322.8	379.2
HP E5406-44G-PoE+/2XG-SFP+ v2 zl Switch with Premium Software (J9533A)	4	6	144	144	144	144	144	144	48	322.8	379.2
HP E5412-92G-PoE+/2XG-SFP+ v2 zl Switch with Premium Software (J9532A)	7	12	288	288	288	288	288	288	96	645.6	758.4
HP E5406-44G-PoE+/4G-SFP v2 zl Switch with Premium Software (J9539A)	4	6	144	144	144	144	144	144	48	322.8	379.2
HP E5412-92G-PoE+/4G-SFP v2 zl Switch with Premium Software (J9540A)	7	12	288	288	288	288	288	288	96	645.6	758.4
HP E5406-44G-PoE+/4SFP zl Switch (J9447A)	4	6	144	144	144	144	144	144	48	322.8	379.2
HP E5412-92G-PoE+/4SFP zl Switch (J9448A)	7	12	288	288	288	288	288	288	96	645.6	758.4

**HP E5400 zl Switch Series at a glance...**  
Core, distribution, and advanced access layer switch with Layer 2 to Layer 4 and intelligent edge features, scalable 10/100/1000 and 10 GbE connectivity, enterprise-class performance and security, and HP Services zl module integration.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E5400 zl Switch Series

##### Modules

- HP 20-port Gig-T PoE+/4-port SFP v2 zl Module (J9535A)
- HP 20-port Gig-T PoE+/2-port 10-GbE SFP+ v2 zl Module (J9536A)
- HP 24-port SFP v2 zl Module (J9537A)
- HP 8-port 10 GbE SFP+ v2 zl Module (J9538A)
- HP 24-port 10/100 PoE+ v2 zl Module (J9547A)
- HP 12-port Gig-T PoE+/12-port SFP v2 zl Module (J9637A)
- HP 24-Port 10/100/1000 PoE zl Module (J8702A)
- HP 4-Port 10 GbE CX4 zl Module (J8708A)
- HP 24-Port 10/100 PoE+ zl Module (J9478A)
- HP 20-Port 10/100/1000 PoE+/4-Port Mini-GBIC zl Module (J9308A)
- HP 4-Port 10 GbE SFP+ zl Module (J9309A)
- HP 20-Port Gig-T/4-Port Mini-GBIC zl Module (J8705A)

- HP 24-Port Mini-GBIC zl Module (J8706A)
- HP 4-Port 10 GbE X2 zl Module (J8707A)
- HP 24-Port 10/100/1000 PoE+ zl Module (J9307A)
- HP Extended Services zl Module with Riverbed Steelhead RiOS Application (J9517A)
- HP Survivable Branch Communication zl Module powered by Microsoft Lync (J9485A)
- HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet (J9486A)
- HP 24-port Gig-T PoE+ v2 zl Module (J9534A)
- HP 24-port Gig-T v2 zl Module (J9550A)
- HP 20-port Gig-T/4-port SFP v2 zl Module (J9549A)
- HP 20-port Gig-T/2-port 10-GbE SFP+ v2 zl Module (J9548A)
- HP Services zl Module (J9289A)
- HP Threat Management Services zl Module with 1-year IDS/IPS subscription (J9156A)

- HP PCM+ Agent with ONE Services zl Module (J9496A)
- HP Advanced Services zl Module (J9483A)
- HP Threat Management Services zl Module (J9155A)

##### Transceivers

- HP X131 10G X2 SC ER Transceiver (J8438A)
- HP X130 CX4 Optical Media Converter (J8439A)
- HP X131 10G X2 SC SR Transceiver (J8436A)
- HP X131 10G X2 CX4 Transceiver (J8440C)
- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X131 10G X2 SC LR Transceiver (J8437A)
- HP X131 10G X2 SC LRM Transceiver (J9144A)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X132 10G SFP+ LC SR Transceiver (J9150A)

- HP X132 10G SFP+ LC LR Transceiver (J9151A)
- HP X132 10G SFP+ LC LRM Transceiver (J9152A)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)
- HP X132 10G SFP+ LC ER Transceiver (J9153A)

##### Cables

Please refer to the HP E8200 zl Switch Series for a complete list of applicable cables for the HP E5400 zl Switch Series

##### Power supplies

- HP 875 W zl Power Supply (J8712A)

- HP 1500 W zl Power Supply (J8713A)
- HP 1500 W PoE+ zl Power Supply (J9306A)

##### EPS/RPS

- HP zl Power Supply Shelf (J8714A)

##### Licenses

- HP E-MSM760/765 40-access point license (J9371A)
- HP E5400 zl Switch Premium License (J8994A)

##### WLAN

- HP E-MSM765zl Mobility Controller (J9370A)

##### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### Modular switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity (Gbps)	Switching capacity/with v2 modules (Gbps)
<b>HP E4200 v1 Switch Series</b>											
	HP E4208-96 v1 Switch (J8775B)	5	8	192		192		32	32	4 (X2)	76.8
	HP E4208-68G-4SFP v1 Switch (J9030A)	5	8	192		192		32	32	4 (X2)	76.8
	HP E4208 v1 Switch Chassis (J8773A)	5	8	192		192		32	32	4 (X2)	76.8
	HP E4204-44G-4SFP v1 Switch (J9064A)	3	4	96		96		16	16	4 (X2)	38.4
	HP E4204 v1 Switch Chassis (J8770A)	3	4	96		96		16	16	4 (X2)	38.4
	HP E4202-72 v1 Switch (J8772B)	3	2	120		48		8	8	2 (X2)	33.6
<b>HP E4200 v1 Switch Series at a glance...</b> Access layer switch with Layer 2 with Layer 3 static IP routing feature set, scalable 10/100/1000 connectivity, and 10 GbE uplinks.											

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E4200 v1 Switch Series

##### Modules

- HP 12-port 100FX MTRJ v1 Module (J8763A)
- HP 24-port 10/100-TX v1 Module (J8765B)
- HP 24-port Gig-T v1 Module (J8768A)
- HP 4-port Mini-GBIC v1 Module (J8776A)
- HP 20-port Gig-T/4-port SFP v1 Module (J9033A)
- HP 1-port 10GbE X2 v1 Module (J8766A)

##### Transceivers

- HP X131 10G X2 SC ER Transceiver (J8438A)
- HP X130 CX4 Optical Media Converter (J8439A)

- HP X131 10G X2 SC SR Transceiver (J8436A)
- HP X131 10G X2 CX4 Transceiver (J8440C)
- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X131 10G X2 SC LR Transceiver (J8437A)
- HP X131 10G X2 SC LRM Transceiver (J9144A)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)

- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### EPS/RPS

- HP gl/xl/v1 Switch Redundant Power Supply (J4839A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches

#### HP E5500G Switch Series



	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
HP E5500-48G-PoE Switch (JE094A)	1	1				48	2 DP + 8	4 DP + 8	2	232 Gbps
HP E5500-48G Switch (JE090A)	1	1			48		2 DP + 8	4 DP + 8	2	232 Gbps
HP E5500-24G-PoE Switch (JE092A)	1	1				24	2 DP + 8	4 DP + 8	2	184 Gbps
HP E5500-24G Switch (JE088A)	1	1			24		2 DP + 8	4 DP + 8	2	184 Gbps
HP E5500-24G-SFP Switch (JE096A)	1	1					2 DP + 8	16 + 4 DP + 8	2	184 Gbps

#### HP E5500G Switch Series at a glance...

Premium Layer 2/3/4 Gigabit Ethernet switches with two built-in high-performance stacking ports and one expansion slot for up to two optional 10-Gigabit Ethernet ports or 8 additional Gigabit SFP ports. Enterprise-class manageability with command-line interface, Web interface, and full SNMP support. Non-PoE and PoE models; field upgradable to PoE. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM, and RIP v1/v2. All models have Gigabit SFP mini-GBIC ports for fiber flexibility. Advanced eight-high stacking with 96 Gbps available stacking bandwidth, distributed link aggregation, distributed routing, and single IP management.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E5500G Switch Series

##### Modules

- HP 8-Port SFP E5500 Module (JE075A)
- HP 1-Port 10-GbE XENPAK E5500-xxG Module (JE077A)
- HP 2-port XFP E5500 Module (JE085A)\*

##### Transceivers

- HP X130 10G XFP SC LR Transceiver (JD108B)
- HP X130 10G XFP LC SR Transceiver (JD117B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 CX4 XFP Transceiver (JD506A)
- HP X135 SC SR XENPAK Transceiver (JD106B)
- HP X135 SC ER XENPAK Transceiver (JD105A)

- HP X130 CX4 XENPAK Transceiver (JD502A)
- HP X130 SC LX4 XENPAK Transceiver (JD499A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)\*\*
- HP X110 100M SFP LC LX Dual Mode Transceiver (JD498A)\*\*
- HP X124 1G SFP LC LX Transceiver (JD494A)

##### Cables

- HP X250 65cm Stacking Cable (JE079A)
- HP X250 1.2m Resilient Stacking Cable (JE080A)
- HP X250 5m Stacking Cable (JE087A)
- HP 50 cm CX4 Cable (JE054A)
- HP 100 cm CX4 Cable (JE055A)
- HP 300 cm CX4 Cable (JE056A)
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)

- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Power supplies

- HP E5500-24G-PoE EI Power Supply (JE081A)
- HP E5500-48G-PoE EI Power Supply (JE082A)
- HP E5500-24G EI Power Supply (JE083A)
- HP E5500-48G EI Power Supply (JE084A)

##### Notes:


\*Due to space constraints, the HP 2-port XFP E5500 Module (JE085A) can accommodate only one HP X130 CX4 Transceiver (JD506A).

\*\*Dual-mode 100Base-X SFPs (JD497A and JD498A) provide 100 Mbps fiber connectivity in the last two 1000Base-X SFP ports of HP E5500G Switch models, and in all ports of the HP 8-port SFP E5500 Module (JE075A).

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4800G Switch Series</b>										
 HP E4800-48G-PoE Switch (JD011A)	1	2				48	4 DP + 2	4 DP + 2	4	192 Gbps
HP E4800-48G Switch (JD010A)	1	2			48		4 DP + 2	4 DP + 2	4	192 Gbps
HP E4800-24G-PoE Switch (JD008A)	1	2				24	4 DP + 2	4 DP + 2	4	144 Gbps
HP E4800-24G Switch (JD007A)	1	2			24		4 DP + 2	4 DP + 2	4	144 Gbps
HP E4800-24G-SFP Switch (JD009A)	1	2			8		4 DP + 2	16 + 8 DP + 2	4	144 Gbps

#### HP E4800G Switch Series at a glance...

Premium Layer 2/3/4 Gigabit Ethernet switches with two expansion slots for up to four optional 10-Gigabit Ethernet ports or stacking ports. Enterprise-class manageability with command-line interface (CLI), Web interface, and full SNMP support. Non-PoE and PoE models. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM, and RIP v1/v2. Comprehensive IPv4/IPv6 operation. All models have Gigabit SFP mini-GBIC ports for fiber flexibility. Advanced nine-high stacking with 96 Gbps available stacking bandwidth, distributed link aggregation, distributed routing, and single IP management.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E4800G Switch Series

##### Modules

- HP A5500/A5120-EI 2-port GbE SFP Module (JD367A)
- HP 2-Port 10-GbE SFP+ A5500/E4800/E4500 Module (JD368B)
- HP 2-Port 10-Gig XFP E45/E48 Module (JE049A)
- HP 1-Port 10-Gig XFP E45/E48 Module (JE053A)
- HP 2-Port 10-Gig LCM E45/E48 Module (JE051A)

##### Transceivers

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)

- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X124 1G SFP LC LX Transceiver (JD494A)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X110 100M SFP LC LX Transceiver (JD120B)
- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)
- HP X110 100M SFP LC LX Dual Mode Transceiver (JD498A)
- HP X110 100M SFP LC LH40 Transceiver (JD090A)
- HP X110 100M SFP LC LH80 Transceiver (JD091A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X130 10G XFP SC LR Transceiver (JD108B)
- HP X130 10G XFP LC SR Transceiver (JD117B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 CX4 XFP Transceiver (JD506A)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 50 cm CX4 Cable (JE054A)
- HP 100 cm CX4 Cable (JE055A)
- HP 300 cm CX4 Cable (JE056A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)

- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Power supply

- HP A5800/A5500 150W AC Power Supply (JD362A)\*

##### Note:


\*For the HP E4800-24G-SFP Switch (JD009A) only. Switch ships with one PSU and one empty redundant PSU slot. Order this for 1+1 PSU redundancy.



# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E6600 Switch Series</b>										
										
HP E6600-48G-4XG Switch (J9452A)	1				48				4	176 Gbps
HP E6600-24XG Switch (J9265A)	1								24 (SPF+)	322.8 Gbps
HP E6600-24G-4XG Switch (J9264A)	1				24			4 DP	4 (SFP+)	101.8 Gbps

#### HP E6600 Switch Series at a glance...

Switches enhanced for the data center server access layer. 24- and 48-port GbE and 10 GbE models with front-to-back/back-to-front airflow, redundant fans and power supplies.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E6600 Switch Series

##### Modules

- HP E6600 Switch Fan Tray (J9271A)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X132 10G SFP+ LC SR Transceiver (J9150A)
- HP X132 10G SFP+ LC LR Transceiver (J9151A)
- HP X132 10G SFP+ LC LRM Transceiver (J9152A)

- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)
- HP X132 10G SFP+ LC ER Transceiver (J9153A)

##### Cables

- HP X242 SFP+ SFP+ 1 m Direct Attach Cable (J9281B)
- HP X242 SFP+ SFP+ 3 m Direct Attach Cable (J9283B)

- HP X242 SFP+ SFP+ 7 m Direct Attach Cable (J9285B)
- HP X244 XFP SFP+ 1 m Direct Attach Cable (J9300A)
- HP X244 XFP SFP+ 3 m Direct Attach Cable (J9301A)
- HP X244 XFP SFP+ 5 m Direct Attach Cable (J9302A)
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)

- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Power supply

- HP E6600 Switch Power Supply (J9269A)

##### Mounting kits

- HP E6600 Series Rack Kit (J9469A)
- HP E6600-24XG, 48G, 48G-4XG Air Plenum Kit (J9480A)
- HP E6600-24G and 24G-4XG Air Plenum Kit (J9481A)


##### License

- HP E6600 Switch Premium License (J9305A)

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E3500 yl Switch Series (Gigabit Ethernet models)</b>										
	1	1				48		4 DP	4	149.8 Gbps
	1	1				24		4 DP	4	101.8 Gbps
	1	1				48		4 DP	4	149.8 Gbps
	1	1				24		4 DP	4	101.8 Gbps
<b>HP E3500 yl Switch Series (Gigabit Ethernet models) at a glance...</b>										
Advanced Layer 2/3/4 Gigabit Ethernet switches with enterprise-class manageability, robust command-line interface (CLI) and Web interface, and full SNMP support. Purpose-built, programmable ProVision ASIC supports demanding networking features. Non-PoE, PoE, and PoE+ models. Advanced Layer 3 routing—including OSPF*, PIM-SM*, PIM-DM*, RIP v1/v2, and static routes. Comprehensive IPv4/IPv6 operation. Gigabit SFP mini-GBIC ports for fiber flexibility, and expansion slot for up to four optional 10-Gigabit Ethernet ports.										

\*Requires Premium License

Note: DP = Dual-personality ports

### HP E6200-24G-mGBIC yl Switch



<b>HP E6200-24G-mGBIC yl Switch (J8992A)</b>	1	1					24	24	4	101.8 Gbps
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#### HP E6200-24G-mGBIC yl Switch at a glance...

Premium Layer 2/3/4 Gigabit SFP switch ideal for distribution layer switching. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM, RIP v1/v2, and static routes. Comprehensive IPv4/IPv6 operation. One expansion slot for up to four optional 10-Gigabit Ethernet ports.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E3500 yl Switch Series (Gigabit Ethernet models)

##### Modules

- HP 10 GbE 2-port X2/2-port CX4 yl Module (J8694A)
- HP 10 GbE 2-port SFP+/2-port CX4 yl Module (J9312A)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)
- HP X130 CX4 Optical Media Converter (J8439A)

- HP X131 10G X2 CX4 Transceiver (J8440C)
- HP X131 10G X2 SC ER Transceiver (J8438A)
- HP X131 10G X2 SC LR Transceiver (J8437A)
- HP X131 10G X2 SC LRM Transceiver (J9144A)
- HP X131 10G X2 SC SR Transceiver (J8436A)
- HP X132 10G SFP+ LC ER Transceiver (J9153A)
- HP X132 10G SFP+ LC LR Transceiver (J9151A)
- HP X132 10G SFP+ LC LRM Transceiver (J9152A)
- HP X132 10G SFP+ LC SR Transceiver (J9150A)

##### Cables

- HP X242 SFP+ SFP+ 1 m Direct Attach Cable (J9281B)
- HP X242 SFP+ SFP+ 3 m Direct Attach Cable (J9283B)
- HP X242 SFP+ SFP+ 7 m Direct Attach Cable (J9285B)
- HP X244 XFP SFP+ 1 m Direct Attach Cable (J9300A)

- HP X244 XFP SFP+ 3 m Direct Attach Cable (J9301A)
- HP X244 XFP SFP+ 5 m Direct Attach Cable (J9302A)
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)

- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### EPS/RPS

- HP E620 Redundant/External Power Supply (J8696A)
- HP E630 Redundant and/or External Power Supply (J9443A)

##### License

- HP E3500 Switch Premium License (J8993A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details


#### HP E6200-24G-mGBIC yl Switch


Note: The HP E6200-24G-mGBIC yl Switch includes the Premium License and shares modules, EPS/RPS, transceivers, cables, and software with the HP E3500 Switch Series.

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4510G Switch Series</b>										
										
<b>HP E4510-48G Switch (JF428A)</b>	1	2			48			4 DP	4	176 Gbps
<b>HP E4510-24G Switch (JF847A)</b>	1	2			24			4 DP	4	128 Gbps
<p><b>HP 4510G Switch Series at a glance...</b>                      Layer 2/3/4 Gigabit Ethernet switch with two expansion slots for up to four optional 10-Gigabit Ethernet ports. Enterprise-class manageability with command-line interface (CLI), Web interface, and full SNMP support. Layer 3 Lite routing—RIP v1/v2 and static routes. IPv4/IPv6 operation, and Gigabit SFP mini-GBIC ports for fiber flexibility. E4510G units support 16K MAC address table size and 2000 routes.</p> <p>Note: DP = Dual-personality ports</p>										

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4500G Switch Series</b>										
										
<b>HP E4500-48G-PoE Switch (JE063A)</b>	1	2				48		4 DP	4	176 Gbps
<b>HP E4500-24G-PoE Switch (JE061A)</b>	1	2				24		4 DP	4	128 Gbps
<b>HP E4500-24G Switch (JE057A)</b>	1	2			24			4 DP	4	128 Gbps
<p><b>HP E4500G Switch Series at a glance...</b>                      Layer 2/3/4 Gigabit Ethernet switches with two expansion slots for up to four optional 10-Gigabit Ethernet ports. Enterprise-class manageability with command-line interface (CLI), Web interface, and full SNMP support. Non-PoE and PoE models. Layer 3 Lite routing—RIP v1/v2 and static routes. IPv4/IPv6 operation. Gigabit SFP mini-GBIC ports add fiber flexibility. E4500G units support 8K MAC address table size and 512 routes.</p> <p>Note: DP = Dual-personality ports</p>										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E4510G and HP E4500G Switch Series

##### Modules

- HP 1-Port 10-Gig XFP E45/E48 Module (JE053A)
- HP 2-Port 10-Gig XFP E45/E48 Module (JE049A)
- HP 2-Port 10-GbE SFP+ A5500/E4800/E4500 Module (JD368B)
- HP 2-Port 10-Gig LCM E45/E48 Module (JE051A)

##### Transceivers

- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)

- HP X110 100M SFP LC LX Dual Mode Transceiver (JD498A)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X130 10G XFP SC LR Transceiver (JD108B)
- HP X130 10G XFP LC SR Transceiver (JD117B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 CX4 XFP Transceiver (JD506A)

- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X240 SFP+ SFP+ 0.65 m Direct Attach Cable (JD095B)
- HP X240 SFP+ SFP+ 1.2 m Direct Attach Cable (JD096B)
- HP X240 SFP+ SFP+ 3 m Direct Attach Cable (JD097B)

##### Cables

- HP 50 cm CX4 Cable (JE054A)
- HP 100 cm CX4 Cable (JE055A)
- HP 300 cm CX4 Cable (JE056A)


- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)

- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

# E-Series products


## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E2915-8G-PoE Switch</b>										
 <b>HP E2915-8G-PoE Switch (J9562A)</b>	1					8		2 DP		20 Gbps
<p><b>HP E2915-8G-PoE Switch at a glance...</b>            Fully managed 8-port 10/100/1000 switch with two additional dual-personality Gigabit Ethernet ports for copper or SFP connectivity. Static and RIP IPv4 routing, robust security and management, enterprise-class features, lifetime warranty for as long as you own the product, and software updates when and if available. Quiet fanless operation, and a compact form factor for wall, surface, or rack mounting.</p>										

Note: DP = Dual-personality ports

### HP E2910 al Switch Series

 <b>HP E2910-48G-PoE+ al Switch (J9148A)</b>	1	2				48		4 DP	4	176 Gbps
<b>HP E2910-48G al Switch (J9147A)</b>	1	2				48		4 DP	4	176 Gbps
<b>HP E2910-24G-PoE+ al Switch (J9146A)</b>	1	2				24		4 DP	4	128 Gbps
<b>HP E2910-24G al Switch (J9145A)</b>	1	2				48		4 DP	4	128 Gbps
<p><b>HP E2910 al Switch Series at a glance...</b>            Layer 2 with Layer 3 static IP routing and two expansion slots for up to four optional 10-Gigabit Ethernet ports. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. Non-PoE and PoE+ models. All models have Gigabit SFP mini-GBIC ports for fiber flexibility.</p>										

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E2915-8G-PoE Switch

- Transceivers**
- HP X121 1G SFP LC SX Transceiver (J4858C)
  - HP X121 1G SFP LC LX Transceiver (J4859C)
  - HP X121 1G SFP LC LH Transceiver (J4860C)
  - HP X111 100M SFP LC FX Transceiver (J9054B)
  - HP X112 100M SFP LC BX-D Transceiver (J9099B)
  - HP X112 100M SFP LC BX-U Transceiver (J9100B)
  - HP X122 1G SFP LC BX-D Transceiver (J9142B)
  - HP X122 1G SFP LC BX-U Transceiver (J9143B)

- Cables**
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
  - HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
  - HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
  - HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
  - HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)

- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

- Software**
- HP PCM Software\*
  - HP PCM Plus Network Management Software Series\*
  - HP Identity Driven Manager\*
  - HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

#### HP E2910 al Switch Series

- Modules**
- HP 2-Port 10 GbE CX4 al Module (J9149A)
  - HP 2-Port 10 GbE SFP+ al Module (J9008A)
  - HP 10 GbE al Switch Interconnect Kit (J9165A)

- Transceivers**
- HP X111 100M SFP LC FX Transceiver (J9054B)
  - HP X112 100M SFP LC BX-D Transceiver (J9099B)
  - HP X112 100M SFP LC BX-U Transceiver (J9100B)
  - HP X132 10G SFP+ LC SR Transceiver (J9150A)
  - HP X132 10G SFP+ LC LR Transceiver (J9151A)
  - HP X132 10G SFP+ LC LRM Transceiver (J9152A)
  - HP X121 1G SFP LC LH Transceiver (J4860C)
  - HP X121 1G SFP LC SX Transceiver (J4858C)
  - HP X121 1G SFP LC LX Transceiver (J4859C)

- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

- Cables**
- HP X242 SFP+ SFP+ 1 m Direct Attach Cable (J9281B)
  - HP X242 SFP+ SFP+ 3 m Direct Attach Cable (J9283B)
  - HP X242 SFP+ SFP+ 7 m Direct Attach Cable (J9285B)
  - HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
  - HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
  - HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
  - HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
  - HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
  - HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
  - HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
  - HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)

- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

- EPS/RPS**
- HP E630 Redundant and/or External Power Supply (J9443A)
  - HP E620 Redundant/External Power Supply (J8696A)


- Software**
- HP PCM Software\*
  - HP PCM Plus Network Management Software Series\*
  - HP Identity Driven Manager\*
  - HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)


	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4210G Switch Series</b>										
 HP E4210-48G Switch (JF845A)	1	2			48			4 DP	4	176 Gbps
HP E4210-24G-PoE Switch (JF846A)	1	2				24		4 DP	4	128 Gbps
HP E4210-24G Switch (JF844A)	1	2			24			4 DP	4	128 Gbps

#### HP E4210G Switch Series at a glance...

Layer 2+ Gigabit Ethernet switches. Enterprise-class manageability with command-line interface (CLI), Web interface, and full SNMP support. Basic Layer 3 static routing. IPv4/IPv6 operation. All models have Gigabit SFP mini-GBIC ports for fiber flexibility. Four-high stacking with distributed link aggregation, distributed routing, and single IP management.

Note: DP = Dual-personality ports

### HP E2810 Switch Series

 HP E2810-48G Switch (J9022A)	1				48			4 DP		96 Gbps
HP E2810-24G Switch (J9021A)	1				24			4 DP		48 Gbps

#### HP E2810 Switch Series at a glance...

Layer 2 Gigabit Ethernet switches with two Gigabit SFP mini-GBIC ports for fiber flexibility. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support; includes sFlow traffic monitoring, source port filtering, and enhanced security features. Hardware support for an optional redundant power supply.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E4210G Switch Series

##### Modules

- HP 2-Port 10-Gig LCM E45/E48 Module (JE051A)
- HP 2-Port 10-Gig XFP E45/E48 Module (JE049A)
- HP 2-Port 10-GbE SFP+ A5500/E4800/E4500 Module (JD368B)
- HP 1-Port 10-Gig XFP E45/E48 Module (JE053A)

##### Transceivers

- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X130 SFP+ LC SR Transceiver (JD092B)
- HP X130 SFP+ LC LRM Transceiver (JD093B)
- HP X130 SFP+ LC LR Transceiver (JD094B)
- HP X130 10G XFP SC LR Transceiver (JD108B)

- HP X130 10G XFP LC SR Transceiver (JD117B)
- HP X135 10G XFP LC ER Transceiver (JD121A)
- HP X130 CX4 XFP Transceiver (JD506A)
- HP X124 1G SFP LC LX Transceiver (JD494A)

##### Cables

- HP 50 cm CX4 Cable (JE054A)
- HP 100 cm CX4 Cable (JE055A)
- HP 300 cm CX4 Cable (JE056A)
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

#### HP E2810 Switch Series

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)

- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Power supply

- HP E600 Redundant and External Power Supply (J8168A)

##### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### Gigabit Ethernet fixed-port switches (continued)


	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E2520 Switch Series (Gigabit Ethernet models)</b>										
						24		4 DP		48 Gbps
						8		2 DP		20 Gbps

#### HP E2520 Switch Series (Gigabit Ethernet models) at a glance...

Layer 2 Gigabit Ethernet switches in 24- and 8-port PoE configurations. Rack-mountable. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. Gigabit SFP mini-GBIC ports for fiber flexibility.

Note: DP = Dual-personality ports

### HP E2510 Switch Series (Gigabit Ethernet models)

					48			4 DP		96 Gbps
					24			4 DP		48 Gbps

#### HP E2510 Switch Series (Gigabit Ethernet models) at a glance...

Layer 2 Gigabit Ethernet switches with Enterprise-class manageability, robust command-line interface (CLI) and Web interface, and full SNMP support. All units have Gigabit SFP mini-GBIC ports for fiber flexibility. 24-port switch is fanless.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E2520 Switch Series (Gigabit Ethernet models)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

#### HP E2510 Switch Series (Gigabit Ethernet models)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### 10/100 fixed-port switches

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E5500 Switch Series</b>										
										
HP E5500-48-PoE Switch (JE107A)	1			48				4		17.6 Gbps
HP E5500-48 Switch (JE103A)	1		48					4		17.6 Gbps
HP E5500-24-PoE Switch (JE105A)	1			24				4		12.8 Gbps
HP E5500-24 Switch (JE101A)	1		24					4		12.8 Gbps
HP E5500-24-SFP EI Switch (JE109A)	1				2		24	2		12.8 Gbps

#### HP E5500 Switch Series at a glance...

Premium Layer 2/3/4 Fast Ethernet switches with four Gigabit SFP mini-GBIC ports for fiber flexibility. Enterprise-class manageability with command-line interface, Web interface, and full SNMP support. Non-PoE and PoE models. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM, RIP v1/v2, and static routing. Advanced eight-high stacking with distributed link aggregation, distributed routing, and single IP management.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E5500 Switch Series

##### Transceivers

- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)
- HP X110 100M SFP LC LX Dual Mode Transceiver (JD498A)
- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X120 1G SFP LC LX Transceiver (JD119B)

- HP X124 1G SFP LC LH40 1310nm Transceiver (JD061A)
- HP X120 1G SFP LC LH40 1550nm Transceiver (JD062A)
- HP X120 1G SFP LC BX 10-U Transceiver (JD098B)
- HP X120 1G SFP LC BX 10-D Transceiver (JD099B)
- HP X170 1G SFP LC LH70 1550 Transceiver (JD109A)
- HP X170 1G SFP LC LH70 1570 Transceiver (JD110A)
- HP X170 1G SFP LC LH70 1590 Transceiver (JD111A)

- HP X170 1G SFP LC LH70 1610 Transceiver (JD112A)
- HP X170 1G SFP LC LH70 1470 Transceiver (JD113A)
- HP X170 1G SFP LC LH70 1490 Transceiver (JD114A)
- HP X170 1G SFP LC LH70 1510 Transceiver (JD115A)
- HP X170 1G SFP LC LH70 1530 Transceiver (JD116A)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X124 1G SFP LC LX Transceiver (JD494A)

##### Cables


- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

# E-Series products

## Switches (continued)

### 10/100 fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E3500 Switch Series (10/100 models)</b>										
										
HP E3500-48-PoE Switch (J9473A)	1		44		4			4 DP		16.8 Gbps
HP E3500-48 Switch (J9472A)	1		44		4			4 DP		16.8 Gbps
HP E3500-24-PoE Switch (J9471A)	1		20		4			4 DP		12 Gbps
HP E3500-24 Switch (J9470A)	1		20		4			4 DP		12 Gbps
<b>HP E3500 Switch Series (10/100 models) at a glance...</b>										
Advanced Layer 2/3/4 Fast Ethernet switches with enterprise-class manageability, robust command-line interface (CLI) and Web interface, and full SNMP support. Purpose-built, programmable ProVision ASIC supports demanding networking features. Non-PoE, PoE, and PoE+ models. Advanced Layer 3 routing—including OSPF*, PIM-SM*, PIM-DM*, RIP v1/v2, and static routes. Comprehensive IPv4/IPv6 operation. Gigabit SFP mini-GBIC ports for fiber flexibility.										

\*Requires Premium License

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E3500 Switch Series (10/100 models)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC LX Transceiver (J4859C)

- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)

- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### EPS/RPS

- HP E620 Redundant/External Power Supply (J8696A)

##### License

- HP E3500 Switch Premium License (J8993A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*


\*See pages 53–55 for details



# E-Series products

## Switches (continued)

### 10/100 fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4500 Switch Series</b>										
										
<b>HP E4500-48-PoE Switch (JE048A)</b>	1			48	2			2 DP		13.6 Gbps
<b>HP E4500-48 Switch (JE046A)</b>	1		48		2			2 DP		13.6 Gbps
<b>HP E4500-24-PoE Switch (JE047A)</b>	1			24	2			2 DP		8.8 Gbps
<b>HP E4500-24 Switch (JE045A)</b>	1		24		2			2 DP		8.8 Gbps

#### HP E4500 Switch Series at a glance...

Layer 2/3/4 Fast Ethernet switches with enterprise-class manageability, command-line interface (CLI), Web interface, and full SNMP support. Non-PoE and PoE models. Layer 3 Lite routing—RIP v1/v2 and static routes. IPv4/IPv6 operation. Gigabit SFP mini-GBIC ports add fiber flexibility.

Note: DP = Dual-personality ports

### HP E2615-8-PoE Switch



<b>HP E2615-8-PoE Switch (J9565A)</b>	1			8				2 DP		5.5 Gbps
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#### HP E2615-8-PoE Switch at a glance...

Fully managed 8-port 10/100 switch with two additional dual-personality Gigabit Ethernet ports for copper or SFP connectivity. Static and RIP IPv4 routing, robust security and management, enterprise-class features, lifetime warranty for as long as you own the product, and software updates when and if available. Fanless for quiet operation, and compact form factor for wall, surface, or rack mounting.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E4500 Switch Series

##### Transceivers

- HP X124 1G SFP LC SX Transceiver (JD493A)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X125 1G SFP LC LH70 Transceiver (JD063B)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)
- HP X110 100M SFP LC FX Dual Mode Transceiver (JD497A)
- HP X110 100M SFP LC LX Dual Mode Transceiver (JD498A)
- HP X124 1G SFP LC LX Transceiver (JD494A)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

#### HP E2615-8-PoE Switch

##### Transceivers

- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

#### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*


\*See pages 53–55 for details

# E-Series products

## Switches (continued)

### 10/100 fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (100Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E2610 Switch Series</b>										
										
HP E2610-48-PoE Switch (J9089A)	1			48	2			2		17.6 Gbps
HP E2610-48 Switch (J9088A)	1		48		2			2		17.6 Gbps
HP E2610-24-PoE Switch (J9087A)	1			24	2			2		12.8 Gbps
HP E2610-24-PPoE Switch (J9086A)	1		24	12	2			2		12.8 Gbps
HP E2610-24 Switch (J9085A)	1		24		2			2		12.8 Gbps
<b>HP E2610 Switch Series at a glance...</b>										
Layer 2 Fast Ethernet switches with Layer 3 static IP routing, two Gigabit Ethernet 10/100/1000 ports, and two SFP mini-GBIC ports for fiber flexibility. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. Non-PoE and PoE models.										

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (100Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E4210 Switch Series</b>										
										
HP E4210-48 Switch (JE027A)	1		48		2			2		17.6 Gbps
HP E4210-24-PoE Switch (JE033A)	1			24	2			2 DP		8.8 Gbps
HP E4210-24 Switch (JF427A)	1		24		2			2 DP		8.8 Gbps
HP E4210-16-PoE Switch (JE031A)	1			16	2			2 DP		5.2 Gbps
HP E4210-16 Switch (JE025A)	1		16		2			2 DP		5.2 Gbps
HP E4210-8-PoE Switch (JE029A)	1			8	1			1 DP		3.6 Gbps
HP E4210-8 Switch (JE022A)	1		8		1			1 DP		3.6 Gbps
<b>HP E4210 Switch Series at a glance...</b>										
Layer 2 Fast Ethernet switches. Enterprise-class manageability with command-line interface, Web interface, and full SNMP support. Non-PoE and PoE models. Rack-mountable; order optional rack kits for small-form units. Fanless quiet operation for non-PoE models.										
Note: DP = Dual-personality ports										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E2610 Switch Series

- Transceivers**
- HP X111 100M SFP LC FX Transceiver (J9054B)
  - HP X112 100M SFP LC BX-D Transceiver (J9099B)
  - HP X112 100M SFP LC BX-U Transceiver (J9100B)
  - HP X121 1G SFP LC LH Transceiver (J4860C)
  - HP X121 1G SFP LC SX Transceiver (J4858C)
  - HP X121 1G SFP LC LX Transceiver (J4859C)
  - HP X121 1G SFP RJ45 T Transceiver (J8177C)
  - HP X122 1G SFP LC BX-D Transceiver (J9142B)
  - HP X122 1G SFP LC BX-U Transceiver (J9143B)
- Cables**
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
  - HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

- EPS/RPS**
- HP E600 Redundant and External Power Supply (J8168A)
  - HP E610 External Power Supply (J8169A)
- Software**
- HP PCM Software\*
  - HP PCM Plus Network Management Software Series\*
  - HP Identity Driven Manager\*
  - HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

#### HP E4210 Switch Series

- Transceivers**
- HP X120 1G SFP LC LX Transceiver (JD119B)
  - HP X124 1G SFP LC SX Transceiver (JD493A)
  - HP X125 1G SFP LC LH70 Transceiver (JD063B)

- HP X115 100M SFP LC BX 10-U Transceiver (JD100A)
- HP X110 100M SFP LC FX Transceiver (JD102B)
- HP X115 100M SFP LC BX 10-D Transceiver (JD101A)
- HP X124 1G SFP LC LX Transceiver (JD494A)

- Cables**
- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
  - HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
  - HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
  - HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
  - HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
  - HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
  - HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)


- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

- Mounting kits**
- HP A3100/E4210-9 Rack-mount Kit (JD322A)
  - HP A3100/E4210-16 Rack-mount Kit (JD321A)
  - HP A3100/E4210-16-/8 PoE Rack-mount Kit (JD323A)
- Note: Switches JE027A, JE033A, and JE022A include rack-mount kits.


# E-Series products

## Switches (continued)

### 10/100 fixed-port switches (continued)

	Height (RU)	Module slots (max)	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX) (max)	SFP (1000Base-X) (max)	10GBase-X (max)	Switching capacity
<b>HP E2520 Switch Series (10/100 models)</b>										
				24	4			2 DP		12.8 Gbps
				8	2			2 DP		5.6 Gbps
<p><b>HP E2520 Switch Series (10/100 models) at a glance...</b>            Layer 2 Fast Ethernet switches in 24- and 8-port PoE configurations. Rack-mountable. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. Gigabit SFP mini-GBIC ports for fiber flexibility.</p> <p>Note: DP = Dual-personality ports</p>										

### HP E2510 Switch Series (10/100 models)

			48		2			2		17.6 Gbps
			24		2			2 DP		8.8 Gbps
<p><b>HP E2510 Switch Series (10/100 models) at a glance...</b>            Layer 2 Fast Ethernet switches. Enterprise-class manageability with robust command-line interface (CLI), Web interface, and full SNMP support. All units have Gigabit SFP mini-GBIC ports for fiber flexibility. 24-port fanless design.</p> <p>Note: DP = Dual-personality ports</p>										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E2520 Switch Series (10/100 models)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)

- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

#### HP E2510 Switch Series (10/100 models)

##### Transceivers

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X112 100M SFP LC BX-D Transceiver (J9099B)
- HP X112 100M SFP LC BX-U Transceiver (J9100B)
- HP X121 1G SFP LC LH Transceiver (J4860C)
- HP X121 1G SFP LC SX Transceiver (J4858C)

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X122 1G SFP LC BX-D Transceiver (J9142B)
- HP X122 1G SFP LC BX-U Transceiver (J9143B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

##### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP Network Immunity Manager (NIM) Software Series\*

\*See pages 53–55 for details

# E-Series products

## Wireless LAN

### Wireless controllers

	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	APs managed (std)	APs managed (max)	Wireless users managed (max)	Layer 3 roaming support	Fast roaming support	Embedded server for authentication	Redundancy support	
<b>HP E-series MultiService Controller (MSM)</b>										
	<b>HP E-MSM765zl Mobility Controller (J9370A)</b>	2 (10 GbE)		40	200 <sup>1</sup>	Unlimited <sup>1</sup>	Yes	Yes	Yes	Yes
	<b>HP E-MSM760 Mobility Controller (J9420A)</b>	2 (1 GbE)		40	200 <sup>1</sup>	Unlimited <sup>1</sup>	Yes	Yes	Yes	Yes
	<b>HP E-MSM760 Access Controller (J9421A)</b>	2 (1 GbE)		40	200 <sup>1</sup>	Unlimited <sup>1</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes <sup>2</sup>
	<b>HP E-MSM710 Mobility Controller (J9325A)</b>	2 (1 GbE)	1	10	10	Unlimited <sup>1</sup>	Yes	Yes	Yes	No
	<b>HP E-MSM710 Access Controller (J9328A)</b>	2 (1 GbE)	1	10	10	Unlimited <sup>1</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	No

#### HP E-series MultiService Controller (MSM) at a glance...

IEEE 802.11n-ready controllers providing centralized AP management, control, and guest services. Mobility controllers deliver fast roaming and VoWiFi with consistent security.

<sup>1</sup>Unlimited simultaneous users

<sup>2</sup>With mobility controller upgrade

Note: Up to 5 E-MSM760 or 5 E-MSM765 controllers (cross chassis) can be teamed to support up to 800 APs through a single management interface.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E-series MultiService Controller (MSM)

##### HP E-MSM710 Mobility Controller (J9325A)

- HP 1-Port Power Injector (J9407A)
- HP E-MSM710 Controller Rack Mounting Kit (J9404A)
- HP E-MSM710 Mobility Services upgrade (J9331A)

##### HP E-MSM760 Mobility Controller (J9420A)

- HP E-MSM760/765 40-access point license (J9371A)

##### HP E-MSM765zl Mobility Controller (J9370A)

- HP E-MSM760/765 40-access point license (J9371A)

##### HP E-MSM710 Access Controller (J9328A)

- HP 1-Port Power Injector (J9407A)
- HP E-MSM710 Controller Rack Mounting Kit (J9404A)
- HP E-MSM710 Mobility Services upgrade (J9331A)

##### HP E-MSM760 Access Controller (J9421A)

- HP E-MSM760 Premium License (J9491A)
- HP E-MSM760/765 40-access point license (J9371A)

#### Software


- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP Identity Driven Manager\*
- HP E-MM Mobility Manager Software Series\*

\*See pages 53–55 for details

# E-Series products

## Wireless LAN

### Wireless access points

	10/100/1000	PoE/PoE+ (IEEE 802.3af/at) ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas (standard)	External antennas (optional)	
<b>HP E-802.11n Dual Radio Access Point Series</b>										
	HP E-MSM466 Dual Radio 802.11n Access Point WW (J9622A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + a/b/g/n	0	6
	HP E-MSM466 Dual Radio 802.11n Access Point AM (J9621A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + a/b/g/n	0	6
	HP E-MSM466 Dual Radio 802.11n Access Point JP (J9620A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + a/b/g/n	0	6
	HP E-MSM460 Dual Radio 802.11n Access Point WW (J9591A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM460 Dual Radio 802.11n Access Point AM (J9590A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM460 Dual Radio 802.11n Access Point JP (J9589A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM460 Dual Radio 802.11n Access Point IL (J9618A)	1	1	2-450 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM430 Dual Radio 802.11n Access Point WW (J9651A)	1	1	2-300 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM430 Dual Radio 802.11n Access Point AM (J9650A)	1	1	2-300 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM430 Dual Radio 802.11n Access Point JP (J9652A)	1	1	2-300 Mbps	16	Yes	Yes	a/n + b/g/n	6	0
	HP E-MSM430 Dual Radio 802.11n Access Point IL (J9653A)	1	1	2-300 Mbps	16	Yes	Yes	a/n + b/g/n	6	0

#### HP E-802.11n Dual Radio Access Point Series at a glance...

The E-series MultiService Access Points (MAPs) bring intelligence to the network edge, providing scalable, seamless, secure, wireless access from more places, anytime, either autonomously or centrally controlled by E-series MultiService Controllers. **E-MSM460 and E-MSM466 access points are the first 3x3 MIMO access points to market with three spatial streams, supporting 450 Mbps per radio.** All the above APs support beam forming and beam steering.

Note: When operating with a controller, the controller must be running V5.5 firmware or later.

#### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

##### HP E-802.11n Dual Radio Access Point Series

###### Power supply

- HP 1-Port Power Injector (J9407A)

###### Adapter

- Optional HP 802.11n Dual Frequency (USB) Wireless Client Adapter (JD039A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP E-MM Mobility Manager Software Series\*

\*See pages 53-55 for details

##### HP E-MSM466 Dual Radio 802.11n Access Point

- HP Indoor-Outdoor Sector Dual Band 8/10dBi MIMO 3 Element Antenna (J9169A)


- HP Indoor-Outdoor Point-to-Point Dual Band 10/13dBi MIMO 3 Element Antenna (J9170A)
- HP Indoor Omnidirectional Dual Band 3/4dBi MIMO 3 Element Antenna (J9171A)

- HP Indoor Omnidirectional Dual Band 2.5/6dBi MIMO 6 Element Antenna (J9659A)
- HP Dual-Band Antenna Lightning Arrester (J8996A)

# E-Series products

## Wireless LAN (continued)


### Wireless access points (continued)

	10/100/1000	PoE/PoE+ (IEEE 802.3af/at) ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas (standard)	External antennas (optional)
<b>HP E-802.11n Access Point Series</b>									
 HP E-MSM422 Access Point WW (J9359B)	1	1	2 (a/b/g + n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	6	4
HP E-MSM422 Access Point US (J9358B)	1	1	2 (a/b/g + n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	6	4
HP E-MSM422 Access Point JP (J9530B)	1	1	2 (a/b/g + n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	6	4
HP E-MSM415 RF Security Sensor (J9522A)	1	1	1 (n/a/b/g)				a/b/g/n	3	
HP E-MSM410 Access Point WW (J9427B)	1	1	1 (n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	3	
HP E-MSM410 Access Point US (J9426B)	1	1	1 (n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	3	
HP E-MSM410 Access Point JP (J9529B)	1	1	1 (n/a/b/g)	16 SSIDs	Yes	Yes	a/b/g/n	3	

#### HP E-802.11n Access Point Series at a glance...

Full-n-speed access points with legacy a/b/g support; completely support IEEE 802.3af PoE with full 3X3 MIMO.

### HP E-MSM317 Access Device Series

 HP E-MSM317 Access Device US (J9422A)	4 (10/100) 1 pass-through	1	1 (b/g)	16 SSIDs		Yes	b/g	2	
HP E-MSM317 Access Device WW (J9423A)	4 (10/100) 1 pass-through	1	1 (b/g)	16 SSIDs		Yes	b/g	2	

#### HP E-MSM317 Access Device Series at a glance...

This unique device provides wired and wireless connectivity in a small "all-in-one" unit that can quickly and discretely be installed in a standard wall outlet. The device consists of an integrated IEEE 802.11 b/g Wi-Fi access point, four Ethernet ports, and a pass-through RJ-45 connector. MSM317 requires a wireless controller.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E-802.11n Access Point Series

##### Power supplies

- HP E-MSM335 and E-MSM422 Power Supply (J9406A)
- HP 1-Port Power Injector (J9407A)

##### External antennas

- HP 5 dBi @2.4GHz Indoor/Outdoor Omnidirectional Antenna (J8441A)
- HP 8 dBi @ 2.4GHz Outdoor Omnidirectional Antenna (J8444A)

- HP 3 dBi Dual-Band Diversity Antenna (J8997A)
- HP 7 dBi Dual-Band Directional Antenna (J8999A)
- HP Indoor Omnidirectional Dual Band 3/4dBi MIMO 3 Element Antenna (J9171A)
- HP Indoor Omnidirectional Dual Band 2.5/6dBi MIMO 6 Element Antenna (J9659A)

- HP Indoor-Outdoor Sector Dual Band 8/10dBi MIMO 3 Element Antenna (J9169A)
- HP Indoor-Outdoor Point-to-Point Dual Band 10/13dBi MIMO 3 Element Antenna (J9170A)

##### Adapter

- Optional HP 802.11n Dual Frequency (USB) Wireless Client Adapter (JD039A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP E-MM Mobility Manager Software Series\*

\*See pages 53–55 for details


#### HP E-MSM317 Access Device Series

This series has no modules or accessories.

# E-Series products

## Wireless LAN (continued)

### Wireless access points (continued)

	10/100/1000	PoE/PoE+ (IEEE 802.3af/at) ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas (standard)	External antennas (optional)	
<b>HP E-802.11a/b/g Access Point Series</b>										
	HP E-MSM335 Access Point WW (J9357B)	1	1	3 (a/b/g + a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g	6	3
	HP E-MSM335 Access Point US (J9356B)	1	1	3 (a/b/g + a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g	6	3
	HP E-MSM325 Access Point WW (J9373B)	2 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		4
	HP E-MSM325 Access Point US (J9369B)	2 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		4
	HP E-MSM320-R Access Point WW (J9368B)	1 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM320-R Access Point US (J9365B)	1 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM320-R Access Point JP (J9528B)	1 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM320 Access Point WW (J9364B)	2 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		4
	HP E-MSM320 Access Point US (J9360B)	2 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		4
	HP E-MSM320 Access Point JP (J9527B)	2 (10/100)	1	2 (a/b/g + a/b/g)	16 SSIDs	Yes	Yes	a/b/g		4
	HP E-MSM310-R Access Point WW (J9383B)	1 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM310-R Access Point US (J9380B)	1 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM310 Access Point WW (J9379B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
	HP E-MSM310 Access Point US (J9374B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2
HP E-MSM310 Access Point JP (J9524B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g		2	

#### HP E-802.11a/b/g Access Point Series at a glance...

Deliver scalable, seamless wireless access indoors and out, enforcing QoS and security policies right at the network edge. Outdoor APs are enclosed in die-cast aluminum casing; compliant with IP65 and EN61373.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E-802.11a/b/g Access Point Series

##### Power supplies

- HP E-MSM31x and E-MSM32x Power Supply (J9405A)
- HP E-MSM335 and E-MSM422 Power Supply (J9406A)
- HP 1-Port Power Injector (J9407A)

##### Mounting kit

- HP E-MSM310/MSM320 AP Mounting Bracket (J9403A)

##### External antennas

- HP 5 dBi @2.4GHz Indoor/Outdoor Omnidirectional Antenna (J8441A)
- HP 8 dBi @ 2.4GHz Outdoor Omnidirectional Antenna (J8444A)
- HP 3 dBi Dual-Band Diversity Antenna (J8997A)
- HP 7 dBi Dual-Band Directional Antenna (J8999A)
- HP Indoor Omnidirectional Dual Band 3/4dBi MIMO 3 Element Antenna (J9171A)
- HP Indoor Omnidirectional Dual Band 2.5/6dBi MIMO 6 Element Antenna (J9659A)
- HP Indoor-Outdoor Sector Dual Band 8/10dBi MIMO 3 Element Antenna (J9169A)
- HP Indoor-Outdoor Point-to-Point Dual Band 10/13dBi MIMO 3 Element Antenna (J9170A)

#### HP E-MSM320 Access Point US (J9360B)

- HP E-MSM320 RF sensor license (J9384A)

#### HP E-MSM320 Access Point WW (J9364B)

- HP E-MSM320 RF sensor license (J9384A)

#### HP E-MSM320 Access Point JP (J9527B)

- HP E-MSM320 RF sensor license (J9384A)

#### HP E-MSM320-R Access Point US (J9365B)

- HP E-MSM320 RF sensor license (J9384A)

#### HP E-MSM320-R Access Point WW (J9368B)

- HP E-MSM320 RF sensor license (J9384A)


#### HP E-MSM320-R Access Point JP (J9528B)

- HP E-MSM320 RF sensor license (J9384A)

# E-Series products

## Wireless LAN (continued)

### Wireless access points (continued)

	10/100/1000	PoE/PoE+ (IEEE 802.3af/at) ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas (standard)	External antennas (optional)
<b>HP Mobility Integrated Services Access Point Series</b>									
	HP E-MSM313 Access Point WW (J9350B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
	HP E-MSM313 Access Point US (J9346B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
	HP E-MSM313 Access Point JP (J9525B)	2 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2

#### HP Mobility Integrated Services Access Point Series at a glance...

Integrated, full-featured MultiService Mobility Access Point and MultiService Mobility Controller in a single turnkey unit.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Mobility Integrated Services Access Point Series

##### Power supply

- HP E-MSM31x and E-MSM32x Power Supply (J9405A)

##### Mounting kit

- HP E-MSM310/MSM320 AP Mounting Bracket (J9403A)

##### External antennas

- HP 5 dBi @2.4GHz Indoor/Outdoor Omnidirectional Antenna (J8441A)
- HP 8 dBi @ 2.4GHz Outdoor Omnidirectional Antenna (J8444A)
- HP 3 dBi Dual-Band Diversity Antenna (J8997A)
- HP 7 dBi Dual-Band Directional Antenna (J8999A)
- HP Indoor Omnidirectional Dual Band 3/4dBi MIMO 3 Element Antenna (J9171A)
- HP Indoor Omnidirectional Dual Band 2.5/6dBi MIMO 6 Element Antenna (J9659A)
- HP Indoor-Outdoor Sector Dual Band 8/10dBi MIMO 3 Element Antenna (J9169A)

- HP Indoor-Outdoor Point-to-Point Dual Band 10/13dBi MIMO 3 Element Antenna (J9170A)

##### Adapter

- Optional HP 802.11n Dual Frequency (USB) Wireless Client Adapter (JD039A)

##### Software

- HP PCM Software\*
- HP PCM Plus Network Management Software Series\*
- HP E-MM Mobility Manager Software Series\*


\*See pages 53–55 for details





# E-Series products

## Wireless LAN (continued)

### Wireless access point, security

	10/100/Gigabit/10G ports	PoE/PoE+ (IEEE 802.3af/at) ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) Bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas (standard)	External antennas (optional)
<b>HP E-M111 Client Bridge Series</b>									
	<b>HP E-M111 Client Bridge (J9389A)</b>	1 (10/100)		1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
	<b>HP E-M111 Client Bridge JP (J9523A)</b>	1 (10/100)		1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
<p><b>HP E-M111 Client Bridge Series at a glance...</b>                      The HP E-M111 Client Bridge bridges an Ethernet LAN segment, supporting a wide range of DECnet, IPX, AppleTalk, and other devices, to IEEE 802.11a/b/g WLAN, providing IEEE 802.1X PEAP authentication and up to WPA2 security without upgrading the clients.</p>									

<b>HP E-M110 Access Point Series</b>									
	<b>HP E-M110 Access Point US (J9385B)</b>	1 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
	<b>HP E-M110 Access Point WW (J9388B)</b>	1 (10/100)	1	1 (a/b/g)	16 SSIDs	Yes	Yes	a/b/g	2
<p><b>HP E-M110 Access Point Series at a glance...</b>                      Entry-level device that can be configured to operate as an access point or a wireless distribution system (WDS) bridge. Works in autonomous mode only.</p>									

<b>HP Networking Mobility Security IDS/IPS Series</b>										
	<b>HP RF Planner (J9400A)</b>	N/A	N/A	N/A	N/A	N/A	N/A	a, b, g, n	N/A	N/A
	<b>HP E-MSM415 RF Security Sensor (J9522A)</b>	1 (1G)	1	1				a, b, g, n	3	No
	<b>HP RF Manager Controller with 50-sensor license (J9521A)</b>	1 (1G)						a, b, g, n		
<p><b>HP Networking Mobility Security IDS/IPS Series at a glance...</b>                      A wide range of a/b/g and n sensors, a highly scalable WIPS manager, and site planning software protect the network and users from unauthorized wireless access 24x7, enforce comprehensive wireless and “no wireless” policies, and provide extensive compliance reporting.</p>										

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP E-M111 Client Bridge Series

##### Power supplies

- HP E-MSM31x and E-MSM32x Power Supply (J9405A)
- HP 1-Port Power Injector (J9407A)

#### HP E-M110 Access Point Series

##### Power supplies

- HP E-MSM31x and E-MSM32x Power Supply (J9405A)
- HP 1-Port Power Injector (J9407A)

##### External antennas

- HP 5 dBi @2.4GHz Indoor/Outdoor Omnidirectional Antenna (J8441A)
- HP 8 dBi @ 2.4GHz Outdoor Omnidirectional Antenna (J8444A)
- HP 3 dBi Dual-Band Diversity Antenna (J8997A)
- HP 7 dBi Dual-Band Directional Antenna (J8999A)

#### HP Networking Mobility Security IDS/IPS Series

##### Supported sensors

- HP E-MSM415 RF Security Sensor (J9522A)

##### Supported sensor/access points

- HP E-MSM335 Access Point WW (J9357A)
- HP E-MSM335 Access Point US (J9356A)
- HP E-MSM325 Access Point WW (J9373A)
- HP E-MSM325 Access Point US (J9369A)


##### Licenses

- HP RF Manager Sensor License 50-sensor upgrade (J9399A)
- HP RF Manager Advanced Wireless IPS License (J9644A)
- HP RF Manager Location-Based Policy License (J9393A)

# E-Series products

## Security

### zl modules

	Firewall throughput	IPS/IDS throughput	VPN throughput	Dedicated IPSec VPN tunnels	Concurrent sessions	New sessions/second	Number of policies	Number of users	Number of VLANs			
<b>HP Threat Management Services zl Module</b>												
	<b>HP Threat Management Services zl Module (J9155A)</b>			5.0 Gbps	1.5 Gbps	300 Mbps AES, 70 Mbps 3DES	4800	600,000	15,000	20,000	Unrestricted	256
<b>HP Threat Management Services zl Module at a glance...</b> Multifunction security system for the HP E5400 zl Switch Series and E8200 zl Switch Series consisting of a stateful firewall, intrusion detection/prevention system (IDS/IPS), and virtual private network (VPN) concentrator.												

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Threat Management Services zl Module

##### Bundles

- HP Threat Management Services zl Module with 1-year IDS/IPS subscription (J9156A)

##### Licenses

- HP Threat Management Services 1-year IPS subscription (J9157A)
- HP Threat Management Services 2-year IDS/IPS subscription (J9158A)
- HP Threat Management Services 3-year IDS/IPS subscription (J9159A)

# E-Series products

## Application Delivery Platforms and Solutions

### zl modules (continued)

	ProVision ASIC	Processor	Memory	Hard disk drive	USB 2.0	E5400 zl	E5406 zl	E8206 zl	E8212 zl
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#### HP Services zl Module



**HP Services zl Module (J9289A)**

Yes	Intel® Core™ 2 Duo Processor T7500, 2.2 GHz	4 GB DDR2 SDRAM	250 GB SATA	Yes	4	4	2	4
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#### HP Services zl Module at a glance...

The HP Services zl Module is a x86-based server module that provides two 10-GbE network links into the switch backplane that enables secure best-in-class applications and services in the E5400 zl and E8200 zl chassis environment.

#### HP Advanced Services zl Module



**HP Advanced Services zl Module (J9483A)**

Yes	Intel Core 2 Duo Processor T9400, 2.6 GHz	4 GB DDR2 SDRAM	250 GB SATA	Yes	4	4	2	4
-----	---	-----------------	-------------	-----	---	---	---	---

#### HP Advanced Services zl Module at a glance...

The HP Advanced Services zl Module provides capabilities to host applications in the HP networking zl chassis and offers enhanced performance to customers.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Services zl Module

This product has no modules or accessories.

	Optimized WAN capacity	Maximum TCP connections	Hard drive	Data store capacity	WAN optimization	Applicable chassis	Number of Services zl Module with Riverbed Steelhead RiOS Application per chassis
--	------------------------	-------------------------	------------	---------------------	------------------	--------------------	---

#### HP Extended Services zl Module with Riverbed Steelhead RiOS Application



**HP Extended Services zl Module with Riverbed Steelhead RiOS Application (J9517A)**

10 Mbps	1300	500 GB	100 GB	Application acceleration Data reduction cuts bandwidth utilization	E5400 zl and E8200 zl	1
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#### HP Extended Services zl Module with Riverbed Steelhead RiOS Application at a glance...

The HP Extended Services zl Module with Riverbed Steelhead RiOS Application enables businesses to improve application responsiveness across the wide area network, improve available WAN bandwidth, and drive down operational costs by delaying or avoiding costly WAN bandwidth upgrades.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Extended Services zl Module with Riverbed Steelhead RiOS Application

This product has no modules or accessories.

# E-Series products

## Application Delivery Platforms and Solutions (continued)

### zl modules (continued)

	Processor	Memory	Hard disk drive	Maximum number of simultaneous calls	Microsoft Lync (Survivable Branch)	Integrated media gateway	Survivable solution	Toll bypass support	Least-cost routing support
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#### HP Survivable Branch Communication zl Module powered by Microsoft Lync



**HP Survivable Branch Communication zl Module powered by Microsoft Lync (J9485A)**

Intel T9400 Core 2 Duo 2.53 GHz

4 GB DDR2 SDRAM

250 GB SATA

120

Yes

Yes

Yes

Yes

Yes

#### HP Survivable Branch Communication zl Module powered by Microsoft Lync at a glance...

HP Survivable Branch Communication zl Module (SBM) powered by Microsoft Lync provides survivable branch services such as external phone call capability while sustaining internal peer-to-peer communications when the data center cannot be reached.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Survivable Branch Communication zl Module powered by Microsoft Lync

- Sangoma 1-port T1/E1/J1 Telephony Card (J9487A)

- Sangoma 2-port T1/E1/J1 Telephony Card (J9488A)
- Sangoma 4-port T1/E1/J1 Telephony Card (J9489A)
- Sangoma 4-port FXS Telephony Card (J9482A)

- Sangoma 4-port FXO Telephony Card (J9516A)
- Sangoma 2-port FXO/2-port FXS Telephony Card (J9518A)

	Processor	Memory	Hard disk drive	Number of concurrent sessions	Session management	Real-time, interactive communications	Enterprise peering	Internal enterprise	Interoperability	Remote worker provisioning	SLA assurance	Regulatory compliance
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#### HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet



**HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet (J9486A)**

Intel T9400 Core 2 Duo 2.53 GHz

8 GB DDR3 SDRAM

500 GB SATA II

350

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

#### HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet at a glance...

The HP Services zl Module for Avaya Aura Session Border Controller (SBC) allows businesses to secure the enterprise perimeter for real-time interactive communications and provides a clear demarcation point to help ensure greater service reach.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Services zl Module for Avaya Aura Session Border Controller powered by Acme Packet

This product has no modules or accessories.

# E-Series products

## Network management

### Management software

	Max ports simultaneously monitored per server	Max sFlow sampling ports per server	Max polling ports per server	Device auto-discovery	Topology and mapping	Usable troubleshooting data and alerts	Device configuration and management	Customize and execute policies across groups	Multiple device configuration management and archiving	Create and configure VLANs across the network
<b>HP PCM Software</b>										
<b>HP PCM v3 Software</b>					Yes	Yes	Yes	Yes		



#### HP PCM v3 Software

##### HP PCM Software at a glance...

Free software package, downloadable from the HP website, that provides all the basic tools needed to handle a network effectively, along with a 60-day trial version of HP PCM Plus Network Management Software Series. This solution is ideal for small to medium-sized businesses with up to 50 devices that want to map those devices, monitor basic device health, and capture and browse SNMP and syslog events.

HP PCM Plus Network Management Software Series										
<b>HP PCM+ v3 Software with 50-Device License (J9174A)</b>	10,000	3000	7000	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>HP PCM+ v3 50-Device License Upgrade (J9173A)</b>	10,000	3000	7000	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>HP PCM+ v3 Additional 100-Device License (J9175A)</b>	10,000	3000	7000	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>HP PCM+ v3 Unlimited-Device Upgrade License (J9176A)</b>	10,000	3000	7000	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>HP PCM+ v3 Software with Unlimited-Device License (J9177A)</b>	10,000	3000	7000	Yes	Yes	Yes	Yes	Yes	Yes	Yes



##### HP PCM Plus Network Management Software Series at a glance...

Secure advanced Windows-based network management tool that allows administrators to configure, update, monitor, and troubleshoot network devices centrally, using template policies that can take automated actions in response to network events. Can run on its own or with HP OpenView Network Node Manager integration, allowing administrators to monitor multivendor networks while leveraging Peroadaptive EDGE management functions.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP PCM Plus Network Management Software Series

##### Software

- HP Network Immunity Manager v2 Software with 50-Device License (J9161A)
- HP Network Immunity Manager v2 100-Device License (J9162A)
- HP Network Immunity Manager v2 Software with Unlimited-Device License (J9163A)


- HP Identity Driven Manager 3.0 Software—500-User License (J9438A)
- HP Identity Driven Manager 3.0 Software—Additional 1,000-User License (J9440A)
- HP Identity Driven Manager 3.0 Software—Unlimited-User License (J9439A)
- HP Mobility Manager v3 Software with 50-Device License (J9291A)

- HP Mobility Manager v3 Additional 100-Device License (J9292A)
- HP Mobility Manager v3 Software with Unlimited-Device License (J9293A)

# E-Series products

## Network management (continued)


### Management software (continued)

	Users managed	RADIUS authentication servers (max)	Traffic prioritization	Rate limiting	Policy-based network access rights	Automatic VLAN assignment	Endpoint posture awareness	User-based ACLs	Integration with Microsoft Network Access Protection
<b>HP Identity Driven Manager 3.0</b>									
	HP Identity Driven Manager 3.0 Software—500-User License (J9438A)	500	10	Yes	Yes	Yes	Yes	Yes	Yes
	HP Identity Driven Manager 3.0 Software—Additional 1,000-User License (J9440A)	1500	10	Yes	Yes	Yes	Yes	Yes	Yes
	HP Identity Driven Manager 3.0 Software—Unlimited-User License (J9439A)	10,000	10	Yes	Yes	Yes	Yes	Yes	Yes
<p><b>HP Identity Driven Manager at a glance...</b>            Plug-in to HP PCM Plus that dynamically provisions network security and performance settings based on user, device, location, time, and endpoint posture. Allows network administrators to centrally define and automatically apply policy-based network access rights to users and devices as they connect, enforcing network security while providing appropriate access.</p>									

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Identity Driven Manager

These products have no modules or accessories.

	Devices managed	Site summary	Performance monitoring	Real-time fat and thin AP health status	Wireless client and device search	Reports and graphs	Rogue device detection	Heat maps	WLAN configuration
<b>HP Mobility Manager Software Series</b>									
	HP Mobility Manager v3 Software with 50-Device License (J9291A)	50	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP Mobility Manager v3 Additional 100-Device License (J9292A)	+100	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP Mobility Manager v3 Software with Unlimited-Device License (J9293A)	2500	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<p><b>HP Mobility Manager Software Series at a glance...</b>            Plug-in that monitors wireless networks, aids in RF visualization, and leverages HP PCM+ tools in the management of mobility devices. Monitors MSM controllers, controlled MSM APs, autonomous MSM APs, and HP legacy devices. Features customizable dashboards, graphs and reports, and an easy-to-use, integrated site view with planning and real-time views of client connection to APs in floor plan. Investigation of past performance (up to 5 years) is easily performed with Wireless Search and Define timespan tools.</p> <p>Note: Requires the HP PCM+ v3 software with 50-Device License (J9174A), or the HP PCM+ v3 Unlimited-Device License (J9177A). Management of MSM controlled APs requires HP Mobility Manager 3.10 or higher</p>									

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)


#### HP Mobility Manager Software Series

These products have no modules or accessories.

# E-Series products

## Network management (continued)

### Management software (continued)

	Devices managed	Intrusion detection	Remote monitoring	Offender tracking	Internal threat protection	Wireless protection	Policy management	Security dashboard	White list
<b>HP Network Immunity Manager (NIM) Software Series</b>									
	HP Network Immunity Manager v2 Software with 50-Device License (J9161A)	50	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP Network Immunity Manager v2 Software with 100-Device License (J9162A)	150	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP Network Immunity Manager v2 Software with Unlimited-Device License (J9163A)	3500	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### HP Network Immunity Manager (NIM) Software Series at a glance...

Plug-in for HP PCM+ that detects and automatically responds to internal network threats such as virus attacks. Also provides central management of HP Threat Management Services (TMS) zI Modules. This security tool provides visibility into internal network threat activity to help increase network availability.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)


#### HP Network Immunity Manager (NIM) Software Series

These products have no modules or accessories.

# E-Series products

## Unified communications

### IP telephones

	Max system (line) appearances	Programmable lighted buttons	Fixed feature buttons	Display softkeys	Four-way cursor control	Display size (pixels)	Ethernet ports	PoE support (802.3af)	Speaker phone	Definable ring tones	Headset jack	
<b>HP 350x IP Phone Series</b>												
	HP 3500B IP Phone (JC505A)	2	2	10	4	Yes	3.5 in./192 x 64 pixels	2	Yes	Yes	Yes	Yes
	HP 3500 IP Phone (JC504A)	2	2	10	4	Yes	3.5 in./192 x 64 pixels	2	Yes	Yes	Yes	Yes
	HP 3501 IP Phone (JC506A)	2	2	10	4	Yes	3.5 in./192 x 64 pixels	2	Yes	Yes	Yes	Yes
	HP 3502 IP Phone (JC507A)	6	15	11	4	Yes	4.3 in./240 x 128 pixels	2	Yes	Yes	Yes	Yes
	HP 3503 IP Phone (JC508A)	8	21	11	4	Yes	5.0 in./800 x 480 pixels	2	Yes	Yes	Yes	Yes

#### HP 350x IP Phone Series at a glance...

HP 350x IP Phones are a new family of energy-efficient, SIP-based phones to replace the HP 31xx phones.

Note: Phone licenses are required to operate HP IP phones on all platforms.

### HP 310x IP Phone Series



	HP 3101SP Basic Speaker Phone (JE222A)	2	2	5	3	Yes	160 x 33	2 x 10/100	Yes	Listen only	9	No
	HP 3105 Attendant Console (JE228A)	100	50 (100 w/ shift button)	4	No	No	No	1 x 10/100	Yes	No	No	No
	HP 3102 Business Phone (JE223A)	9	18	10	3	Yes	160 x 33	2 x 10/100	Yes	Full duplex	9	Yes

#### HP 310x IP Phones Series at a glance...

Advanced features and high-fidelity in HP IP phones help enterprises function more productively and meet customer communication needs more competitively.

Note: Phone licenses are required to operate HP IP phones on all platforms.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP 350x IP Phone Series

##### IP telephony

- HP 350x Series IP Phone AC Power Adapter (JC509A)
- HP 350x Series IP Phone Wall Mount (JC510A)
- HP 350x Series IP Phone Stand (JC511A)

#### HP 310x IP Phones Series

##### Power supplies


- HP 90/240V-24VDC Phone Power Supply (ME) (JE234A)
- HP 90/240V-24VDC Phone Power Supply (SA) (JE235A)
- HP 90/240V-24VDC Phone Power Supply (UK) (JE236A)



# E-Series products

## Unified communications (continued)

### VoIP gateways

	Port licenses required	Analog devices	Analog trunks	T1 spans/voice channels	E1 spans/voice channels	Channel-associated signaling
<b>HP VCX V71xx Gateway Series</b>						
	HP VCX V7111 24-channel Analog FXS Gateway (JE368A)	Yes	24			
	HP VCX V7111 8-channel Analog FXS Gateway (JE367A)	Yes	8			
	HP VCX V7111 4-channel Analog FXS Gateway (JE366A)	Yes	4			
	HP VCX V7111 2-channel Analog FXS Gateway (JE371A)	Yes	2			
	HP VCX V7111 8-channel Analog FXO Gateway (JE370A)			8		
	HP VCX V7111 4-channel Analog FXO Gateway (JE369A)			4		
	HP VCX V7111 4-channel Analog FXS/4-channel Analog FXO Gateway (JE373A)	Yes	4	4		
	HP VCX V7111 2-channel Analog FXS/2-channel Analog FXO Gateway (JE372A)	Yes	2	2		
	HP VCX V7122 16-span E1/T1 Digital VoIP Gateway (JE380A)			16/368	16/480	Yes
	HP VCX V7122 8-span E1/T1 Digital VoIP Gateway (JE379A)			8/184	8/240	Yes
	HP VCX V7122 4-span E1/T1 Digital VoIP Gateway (JE378A)			4/92	4/120	Yes
	HP VCX V7122 2-span E1/T1 Digital VoIP Gateway (JE376A)			2/46	2/60	Yes
	HP VCX Single Span E1/T1 Digital VoIP Gateway (JE374A)			1/23	1/30	Yes

#### HP VCX V71xx Gateway Series at a glance...

Gateways that translate the protocol used with the PSTN or PBX into the SIP used by HP VCX telephony. Fixed-configuration digital gateways provide all necessary functions and protocol support for handling voice calls between traditional circuit-switched phone networks and an IP network. Analog gateways allow analog phones and other legacy analog devices to use HP SIP-based IP telephony features.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)


#### HP VCX V71xx Gateway Series

This series has no modules or accessories.

# E-Series products

## Unified communications (continued)

### IP communications platforms

	Server license required	Multisite support	Redundancy	Survivability	Unified communications	Unified messaging	System capacity (devices/mailboxes)	Analog devices	Analog trunks	T1 spans/voice channels	E1 spans/voice channels	Integrated VCX branch module
<b>HP VCX V7000 Unified Communications Series</b>												
	<b>HP VCX V7005 Unified Communications Server (JC516A)</b>	Yes	Yes	Yes	Optional	Yes	Yes	15K				
	<b>HP VCX V7205 Unified Communications Server (JC517A)</b>	Yes	Yes	Yes	Yes	Yes	24K					

#### HP VCX V7000 Unified Communications Series at a glance...

HP VCX V7000 Unified Communications Series is designed for businesses to dependably scale and support the most varied, collaborative work environments. The VCX V7000 server's flexible architecture provides a wealth of deployment options.

#### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX V7000 Unified Communications Series

##### Module

- HP VCX V7005/VCX Connect 200 DL120 G6 250G 3.5 Spare RAID Disk (JC521A)

##### Licenses


- HP VCX Desktop Communicator Standalone Soft Phone License (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License (JE437BAE)

- HP VCX IP Telephony and IP Messaging 9.x Server License E-LTU (JE440BAE)
- HP VCX IP Telephony/Call Processor 9.x Server License E-LTU (JE438BAE)
- HP VCX IP Messaging/GVMCS 9.x Server License E-LTU (JE432BAE)
- HP VCX CDR 9.x Server License E-LTU (JE428BAE)
- HP VCX Data (Authentication and Directory) Server License E-LTU (JE430BAE)
- HP VCX Business IP Phone License E-LTU (JE427BAE)
- HP VCX Basic IP Phone License E-LTU (JE426BAE)
- HP VCX Third Party IP Phone License E-LTU (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle E-LTU (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle E-LTU (JE329BAE)
- HP VCX Business IP Phone License 250 Bundle E-LTU (JE331BAE)
- HP VCX Basic IP Phone License 250 Bundle E-LTU (JE328BAE)
- HP VCX Business IP Phone License 1000 Bundle E-LTU (JE330BAE)
- HP VCX Basic IP Phone License 1000 Bundle E-LTU (JE327BAE)
- HP VCX Entry/Analog Phone License E-LTU (JE425BAE)
- HP VCX IP Messaging Seat License 50 Bundle E-LTU (JC515BAE)
- HP VCX IP Messaging Seat License 250 Bundle E-LTU (JC514BAE)
- HP VCX IP Messaging Seat License 1000 Bundle E-LTU (JC513BAE)
- HP VCX Desktop Communicator Standalone Soft Phone License E-LTU (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License E-LTU (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License 50 Bundle E-LTU (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle E-LTU (JE336BAE)
- HP VCX Desktop Communicator Soft Phone License 250 Bundle E-LTU (JE333BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 250 Bundle E-LTU (JE335BAE)
- HP VCX Convergence Center Client Standalone License E-LTU (JE434BAE)
- HP VCX ACD Agent License E-LTU (JE422BAE)
- HP VCX ACD 10 Agent License E-LTU (JE423BAE)
- HP VCX ACD 5 Agent License E-LTU (JE424BAE)

# E-Series products

## Unified communications (continued)

### IP communications platforms (continued)

	Server license required	Multisite support	Redundancy	Survivability	Unified communications	Unified messaging	System capacity (devices/ mailboxes)	Analog devices	Analog trunks	T1 spans/voice channels	E1 spans/voice channels	Integrated VCX branch module
<b>HP VCX V6000/V6100 Enterprise Branch Communications Series</b>												
	Optional							24 max	24 max	4/96 max	4/120 max	Optional
	Yes							2	4			Yes

#### HP VCX V6000/V6100 Enterprise Branch Communications Series at a glance...

Integrated branch communications platforms that provide Voice over IP (VoIP) services, including advanced Session Initiation Protocol (SIP)-based applications and integrated digital or analog VoIP gateways, to branch offices with up to 100 users. V6000 comes with one 4-port FXO module for PSTN connection and one 2-port FXS module for analog devices; modular V6100 supports up to 6 modules.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX V6000/V6100 Enterprise Branch Communications Series

##### Modules

- HP VCX V6000 V6100 Connect 100 (80GB) HDD RAID Module (JE273A)
- HP VCX V6100 Connect 100 4-port FXO Module (JE359A)
- HP VCX V6100 Connect 100 4-port FXS Module (JE360A)

- HP VCX V6100 Connect 100 4-port BRI Module (JE361A)
- HP VCX V6100 Connect 100 1-span E1/T1 Module (JE382A)
- HP VCX V6100 Connect 100 2-span E1/T1 Module (JE383A)
- HP VCX V6100 4-span E1/T1 Module (JE384A)

##### Power supply

- HP VCX V6000 V6100 Connect 100 Power Supply Module (JE272A)

##### Licenses

- HP VCX V6000 IP Telephony and IP Messaging 9.x License E-LTU (JE418BAE)
- HP VCX V6100/Enterprise Branch Communications MIM IP Telephony and IP Messaging 9.x License E-LTU (JE420BAE)


##### Telephony modules

- HP VCX V6100 Hard Disk R9.0 Module (JE356A)
- HP VCX V6100 CPU and CM Module Set (JE271A)

# E-Series products


## Unified communications (continued)

### IP communications platforms (continued)

	Server license required	Multisite support	Redundancy	Survivability	Unified communications	Unified messaging	System capacity (devices/mailboxes)	Analog devices	Analog trunks	T1 spans/voice channels	E1 spans/voice channels	Integrated VCX branch module
<b>HP VCX Connect 200 Unified Communications Series</b>												
	Yes	Yes	Yes	Optional	Yes	Yes	15K					
	Yes	Yes	Yes	Yes	Yes	Yes	24K					

#### HP VCX Connect 200 Unified Communications Series at a glance...

HP VCX Connect 200 Unified Communications Series delivers an enterprise-class, full-featured VoIP phone system, designed to cost-effectively meet the rugged, collaborative work environments of small- to medium-sized (SMB) enterprises.

<b>HP VCX Connect 100 Unified Communications Series</b>												
	Yes				Yes	Yes			24 max	24 max	4/96 max	Optional
	Yes				Yes	Yes			2	2		Yes

#### HP VCX Connect 100 Unified Communications Series at a glance...

HP VCX Connect 100 Unified Communications Series delivers an enterprise-class, full-featured VoIP phone system, designed to cost-effectively meet the rugged, collaborative work environments of small enterprises.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX Connect 200 Unified Communications Series

##### Module

- HP VCX V7005/VCX Connect 200 DL120 G6 250G 3.5 Spare RAID Disk (JC521A)

##### Licenses

- HP VCX Desktop Communicator Standalone Soft Phone License (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License (JE437BAE)
- HP VCX Business IP Phone License E-LTU (JE427BAE)
- HP VCX Basic IP Phone License E-LTU (JE426BAE)
- HP VCX Third Party IP Phone License E-LTU (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle E-LTU (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle E-LTU (JE329BAE)
- HP VCX Business IP Phone License 250 Bundle E-LTU (JE331BAE)
- HP VCX Basic IP Phone License 250 Bundle E-LTU (JE328BAE)
- HP VCX Business IP Phone License 1000 Bundle E-LTU (JE330BAE)

- HP VCX Basic IP Phone License 1000 Bundle E-LTU (JE327BAE)
- HP VCX Entry/Analog Phone License E-LTU (JE425BAE)
- HP VCX IP Messaging Seat License E-LTU (JE301BAE)
- HP VCX IP Messaging Seat License 50 Bundle E-LTU (JC515BAE)
- HP VCX IP Messaging Seat License 250 Bundle E-LTU (JC514BAE)
- HP VCX IP Messaging Seat License 1000 Bundle E-LTU (JC513BAE)
- HP VCX Desktop Communicator Standalone Soft Phone License E-LTU (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License E-LTU (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License E-LTU (JE437BAE)
- HP VCX Desktop Communicator Soft Phone License 50 Bundle E-LTU (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle E-LTU (JE336BAE)
- HP VCX Desktop Communicator Soft Phone License 250 Bundle E-LTU (JE333BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 250 Bundle E-LTU (JE335BAE)

- HP VCX Convergence Center Client Standalone License E-LTU (JE434BAE)
- HP VCX ACD Agent License E-LTU (JE422BAE)
- HP VCX ACD 5 Agent License E-LTU (JE424BAE)
- HP VCX ACD 10 Agent License E-LTU (JE423BAE)

#### HP VCX Connect 100 Unified Communications Series

##### Modules

- HP VCX V6100 Connect 100 4-port FXO Module (JE359A)
- HP VCX V6100 Connect 100 4-port FXS Module (JE360A)
- HP VCX V6100 Connect 100 4-port BRI Module (JE361A)
- HP VCX V6100 Connect 100 1-span E1/T1 Module (JE382A)
- HP VCX V6100 Connect 100 2-span E1/T1 Module (JE383A)
- HP VCX V6000 V6100 Connect 100 (80GB) HDD RAID Module (JE273A)

##### Power supply

- HP VCX V6000 V6100 Connect 100 Power Supply Module (JE272A)

##### Licenses

- HP VCX Desktop Communicator Standalone Soft Phone License (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License (JE437BAE)
- HP VCX Business IP Phone License E-LTU (JE427BAE)
- HP VCX Basic IP Phone License E-LTU (JE426BAE)
- HP VCX Third Party IP Phone License E-LTU (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle E-LTU (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle E-LTU (JE329BAE)
- HP VCX Business IP Phone License 250 Bundle E-LTU (JE331BAE)
- HP VCX Basic IP Phone License 250 Bundle E-LTU (JE328BAE)
- HP VCX Entry/Analog Phone License E-LTU (JE425BAE)
- HP VCX IP Messaging Seat License E-LTU (JE301BAE)
- HP VCX IP Messaging Seat License 50 Bundle E-LTU (JC515BAE)
- HP VCX IP Messaging Seat License 250 Bundle E-LTU (JC514BAE)

- HP VCX Desktop Communicator Standalone Soft Phone License E-LTU (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License E-LTU (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License E-LTU (JE437BAE)
- HP VCX Desktop Communicator Soft Phone License 50 Bundle E-LTU (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle E-LTU (JE336BAE)
- HP VCX Desktop Communicator Soft Phone License 250 Bundle E-LTU (JE333BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 250 Bundle E-LTU (JE335BAE)
- HP VCX Convergence Center Client Standalone License E-LTU (JE434BAE)
- HP VCX ACD Agent License E-LTU (JE422BAE)
- HP VCX ACD 10 Agent License E-LTU (JE423BAE)
- HP VCX ACD 5 Agent License E-LTU (JE424BAE)

# E-Series products

## Unified communications (continued)

### IP communications platforms (continued)

	Standard FXO analog ports	Standard FXS analog ports	Standard T1 digital ports	Supported devices per platform	Unified messaging support	Voicemail capacity* (hours)	Multi-language support	Supported gateways
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#### HP VCX Connect Platform Series



<b>HP VCX Connect 200 v9.0 Primary Server (JE348A)</b>				250	Yes	7290	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
<b>HP VCX Connect 200 v9.0 Secondary Server (JE350A)</b>				250	Yes	7290	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
<b>HP VCX Connect 100 v9.0 Primary Server (JE340A)</b>	4	4		100	Yes	450	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
<b>HP VCX Connect 100 v9.0 Secondary Server (JE342A)</b>	4	4		100	Yes	450	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30

#### HP VCX Connect Platform Series at a glance...

Communications platforms supporting up to 250 users per server with IP telephony and unified messaging software, music-on-hold, voicemail services. Each HP VCX Connect platform includes 25 HP IP Business Phone, 25 HP IP Messaging Seat, 25 HP Desktop Communicator Soft Phone, and 4 Entry/Analog Phone licenses.

\*Calculation based on 1 minute of G.711 CODEC voicemail recording and 40 GB available for data logs and system files. Hours may fluctuate depending on actual implementation.

#### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX Connect Platform Series

##### Modules

- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR Voice Co-processing Module (JD610A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)
- HP 1-port T1-Voice SIC A-MSR Module (JD576A)

- HP A-MSR 4-port E&M MIM Module (JD539A)
- HP A-MSR 4-port FXO MIM Module (JD542A)
- HP A-MSR 2-port FXO MIM Module (JD543A)
- HP A-MSR 4-port FXS MIM Module (JD553A)
- HP-port T1 Voice MIM A-MSR Module (JD566A)
- HP 2-port E1-Voice MIM A-MSR Module (JD567A)
- HP 2-port T1-Voice MIM A-MSR Module (JD568A)

##### Cables

- HP X290 A-MSR30 1m RPS Cable (JD637A)
- HP X260 E1 RJ45 3m Router Cable (JD509A)

- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 E1/2 BNC 75 ohm 40m Router Cable (JD516A)
- HP X260 E1 RJ45 20m Router Cable (JD517A)
- HP X260 T1 Router Cable (JD518A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)

##### Power supplies

- HP A-RPS800 Redundant Power System (JD183A)
- HP RPS 500 A3 Redundant Power Supply (JD182A)
- HP VCX 7205 Redundant (250GB) HDD RAID1 Module (JE277A)

##### Licenses


- HP VCX Business IP Phone License (JE427BAE)
- HP VCX Basic IP Phone License (JE426BAE)
- HP VCX Third Party IP Phone License (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle (JE329BAE)
- HP VCX Entry/Analog Phone License (JE425BAE)
- HP VCX Desktop Communicator Soft Phone License (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License (JE436BAE)

- HP VCX Desktop Communicator to Outlook Edition Soft Phone Upgrade License (JE437BAE)
- HP VCX Desktop Communicator Soft Phone License 50 Bundle (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle (JE336BAE)
- HP VCX IP Messaging Seat License (JE301BAE)
- HP VCX ACD Agent License (JE422BAE)
- HP VCX ACD 5 Agent License (JE424BAE)
- HP VCX ACD 10 Agent License (JE423BAE)

# E-Series products

## Unified communications (continued)

### IP communications platforms (continued)

	Supported devices per platform	Unified messaging support	Voicemail capacity* (hours)	Multi-language support	Supported gateways	
<b>HP VCX Enterprise Branch Communications MIM on MSR Series</b>						
	HP A-MSR30-40 Router with VCX Enterprise Communications MIM Module (JD023A)	100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
	HP A-MSR30-16 Router with VCX Enterprise Communications MIM Module (JD024A)	100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
	HP VCX Branch MIM Module (JE254A)	100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30

#### HP VCX Enterprise Branch Communications MIM on MSR Series at a glance...

Economical branch-office communications platforms that provide Voice over IP (VoIP) services, including advanced Session Initiation Protocol (SIP)-based applications and ability to integrate digital or analog media gateways module, to branch offices with up to 100 users.

\*Calculation based on 1 minute of G.711 CODEC voicemail recording and 40 GB available for data logs and system files. Hours may fluctuate depending on actual implementation.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX Enterprise Branch Communications MIM on MSR Series

##### Modules

- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR Voice Co-processing Module (JD610A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXS SIC Module (JD560A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)

- HP 1-port T1-Voice SIC A-MSR Module (JD576A)
- HP A-MSR 4-port E&M MIM Module (JD539A)
- HP A-MSR 4-port FXO MIM Module (JD542A)
- HP A-MSR 2-port FXO MIM Module (JD543A)
- HP A-MSR 4-port FXS MIM Module (JD553A)
- HP 1-port T1 Voice MIM A-MSR Module (JD566A)
- HP 2-port E1-Voice MIM A-MSR Module (JD567A)
- HP 2-port T1-Voice MIM A-MSR Module (JD568A)

##### Cables

- HP X290 A-MSR30 1m RPS Cable (JD637A)

- HP X260 E1 RJ45 3m Router Cable (JD509A)
- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 E1/2 BNC 75 ohm 40m Router Cable (JD516A)
- HP X260 E1 RJ45 20m Router Cable (JD517A)
- HP X260 T1 Router Cable (JD518A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)

##### Power supplies

- HP A-RPS800 Redundant Power System (JD183A)
- HP RPS 500 A3 Redundant Power Supply (JD182A)
- HP VCX 7205 Redundant (250GB) HDD RAID1 Module (JE277A)

##### Licenses


- HP VCX V6100/EBM IP Telephony and IP Messaging 9.x License (JE420BAE)
- HP VCX Business IP Phone License (JE427BAE)
- HP VCX Basic IP Phone License (JE426BAE)
- HP VCX Third Party IP Phone License (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle (JE329BAE)
- HP VCX Entry/Analog Phone License (JE425BAE)
- HP VCX Desktop Communicator Standalone Soft Phone License (JE435BAE)

- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Soft Phone Upgrade License (JE437BAE)
- HP VCX Desktop Communicator Soft Phone License 50 Bundle (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle (JE336BAE)
- HP VCX IP Messaging Seat License (JE301BAE)
- HP VCX ACD Agent License (JE422BAE)
- HP VCX ACD 5 Agent License (JE424BAE)
- HP VCX ACD 10 Agent License (JE423BAE)

# E-Series products

## Unified communications (continued)

### IP communications platforms (continued)

	Standard FXO analog ports	Standard FXS analog ports	Standard T1 digital ports	Supported devices per platform	Unified messaging support	Voicemail capacity* (hours)	Multi-language support	Supported gateways
<b>HP VCX Connect Unified Communications MIM on MSR Series</b>								
				100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
				100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
<b>HP MSR 30-16 Router with VCX Connect Primary MIM, 4-port FXO and 2-port FXS Modules (JD025A)</b>	4	2		100	Yes	4160	Yes	
<b>HP MSR 30-40 Router with VCX Connect Primary MIM, 8-port FXO and 4-port FXS Modules (JD026A)</b>	8	4		100	Yes	4160	Yes	
<b>HP MSR 30-40 Router with VCX Connect Primary MIM, 8-port BRI-ST and 4-port FXS Modules (JD027A)</b>		4		100	Yes	4160	Yes	
<b>HP MSR 30-40 Router with VCX Connect Primary MIM, T1, 4-port FXO and 4-port FXS Modules (JD028A)</b>	4	4	1	100	Yes	4160	Yes	VCX V7111, VCX V7122, A-MSR20, A-MSR30
<b>HP MSR 30-40 Router with VCX Connect Primary MIM, E1, 4-port BRI-ST and 4-port FXS Modules (JD029A)</b>		4		100	Yes	4160	Yes	

#### HP VCX Connect Unified Communications MIM on MSR Series at a glance...

HP VCX Connect Unified Communications MIM on MSR Series offers small businesses with up to 100 users an economical IP telephony and messaging solution that delivers built-in user licenses, enterprise-class phone features, and unified communications.

\*Calculation based on 1 minute of G.711 CODEC voicemail recording and 40 GB available for data logs and system files. Hours may fluctuate depending on actual implementation.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP VCX Connect Unified Communications MIM on MSR Series

##### Cables

- HP X260 E1 BNC 75 ohm 3m Router Cable (JD175A)
- HP X260 E1 RJ45 3m Router Cable (JD509A)
- HP X260 E1 RJ45 BNC Conversion Router Cable (JD511A)
- HP X260 E1 BNC 20m Router Cable (JD514A)
- HP X260 E1/2 BNC 75 ohm 40m Router Cable (JD516A)
- HP X260 E1 RJ45 20m Router Cable (JD517A)
- HP X260 T1 Router Cable (JD518A)

##### Power supply

- HP A-RPS800 Redundant Power System (JD183A)

##### Licenses

- HP VCX Desktop Communicator Standalone Soft Phone License (JE435BAE)
- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License (JE436BAE)

- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License (JE437BAE)
- HP VCX Business IP Phone License E-LTU (JE427BAE)
- HP VCX Basic IP Phone License E-LTU (JE426BAE)
- HP VCX Third Party IP Phone License E-LTU (JE444BAE)
- HP VCX Business IP Phone License 50 Bundle E-LTU (JE332BAE)
- HP VCX Basic IP Phone License 50 Bundle E-LTU (JE329BAE)
- HP VCX Business IP Phone License 250 Bundle E-LTU (JE331BAE)
- HP VCX Basic IP Phone License 250 Bundle E-LTU (JE328BAE)
- HP VCX Entry/Analog Phone License E-LTU (JE425BAE)
- HP VCX IP Messaging Seat License E-LTU (JE301BAE)
- HP VCX IP Messaging Seat License 50 Bundle E-LTU (JC515BAE)
- HP VCX IP Messaging Seat License 250 Bundle E-LTU (JC514BAE)
- HP VCX Desktop Communicator Standalone Soft Phone License E-LTU (JE435BAE)

- HP VCX Desktop Communicator Outlook Edition Standalone Soft Phone License E-LTU (JE436BAE)
- HP VCX Desktop Communicator to Outlook Edition Upgrade Soft Phone License E-LTU (JE437BAE)
- HP VCX Desktop Communicator Soft Phone License 50 Bundle E-LTU (JE334BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 50 Bundle E-LTU (JE336BAE)
- HP VCX Desktop Communicator Soft Phone License 250 Bundle E-LTU (JE333BAE)
- HP VCX Desktop Communicator Outlook Edition Soft Phone License 250 Bundle E-LTU (JE335BAE)
- HP VCX Convergence Center Client Standalone License E-LTU (JE434BAE)
- HP VCX ACD Agent License E-LTU (JE422BAE)
- HP VCX ACD 5 Agent License E-LTU (JE424BAE)
- HP VCX ACD 10 Agent License E-LTU (JE423BAE)

##### Routers

- HP A-MSR30-16 Router (JF233A)
- HP A-MSR30-16 PoE Router (JF234A)
- HP A-MSR30-20 Router (JF284A)
- HP A-MSR30-20 PoE Router (JF802A)
- HP A-MSR30-40 Router (JF229A)
- HP A-MSR30-40 PoE Router (JF803A)
- HP A-MSR30-60 Router (JF230A)
- HP A-MSR30-60 PoE Router (JF804A)

##### Router modules


- HP A-MSR 24-Channel Voice Processing Module (JD599A)
- HP A-MSR 32-Channel Voice Processing Module (JD598A)
- HP A-MSR Voice Co-processing Module (JD610A)
- HP A-MSR 1-port FXO SIC Module (JD559A)
- HP A-MSR 2-port FXO SIC Module (JD558A)
- HP A-MSR 1-port FXS SIC Module (JD561A)
- HP A-MSR 2-port FXS SIC Module (JD560A)


- HP A-MSR 2-port FXS/1-port FXO SIC Module (JD632A)
- HP A-MSR 2-port ISDN-S/T Voice SIC Module (JF821A)
- HP 1-port E1-Voice SIC A-MSR Module (JD575A)
- HP 1-port T1-Voice SIC A-MSR Module (JD576A)
- HP A-MSR 4-port E&M MIM Module (JD539A)
- HP A-MSR 2-port FXO MIM Module (JD543A)
- HP A-MSR 4-port FXO MIM Module (JD542A)
- HP A-MSR 4-port FXS MIM Module (JF822A)
- HP A-MSR 16-port FXS MIM Module (JF822A)
- HP A-MSR 4-port ISDN-S/T Voice MIM Module (JF837A)
- HP 1-Port E1 Voice MIM A-MSR Module (JD565A)
- HP 1-port T1 Voice MIM A-MSR Module (JD566A)
- HP 2-port E1-Voice MIM A-MSR Module (JD567A)
- HP 2-port T1-Voice MIM A-MSR Module (JD568A)

# E-Series products

## Unified communications (continued)

### Unified communications software

	VCX V7000, VCX Connect platform	Real-time/historical statistics	Establish call routing rules	Supervise call center	On-screen call control by agents	Skills-based routing	Integrates with business databases	ACD groups (max)	Email support	Web chat support
<b>HP eXchange Call Center Software for VCX Solutions Series</b>										
	<b>HP eXchange Call Center Base Package VCX Software (JE303A)</b>	Yes	Yes	Yes	Yes	Yes		256		
<b>HP eXchange Call Center Software for VCX Solutions Series at a glance...</b> Call center software for HP VCX platforms. Offers sophisticated call-handling capabilities, including establishing call-routing rules, creating call center profiles and parameters, supervising the center, and generating management information.										

<b>HP EPICenter Contact Center Software for VCX Solutions Series</b>										
	<b>HP EPIC 10-10-1 Base VCX Software Package (JE261A)</b>	Yes	Yes	Yes	Yes	Yes	Yes	256	Yes	Yes
<b>HP EPICenter Contact Center Software for VCX Solutions Series at a glance...</b> Multisite-capable call center software for VCX platforms. Features intelligent routing and integration with CRM and other business databases. Offers sophisticated call-handling capabilities, including establishing call-routing rules, creating call center profiles and parameters, supervising the center, and generating management information.										

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP eXchange Call Center Software for VCX Solutions Series

##### VCX licenses

- HP eXchange Agent Inbound Voice VCX Software (JE304BAE)
- HP eXchange Visor Monitor VCX Software (JE306BAE)
- HP eXchange Visor VCX License (JE305BAE)
- HP Agent Board VCX License (JE307BAE)

- HP VCX Wall Board VCX License (JE308BAE)
- HP Formula Editor VCX License (JE309BAE)
- HP VCX Work Force Management Connectivity VCX License (JE310BAE)
- HP eXchange for NBX to VCX Upgrade License (JE311BAE)

#### HP EPICenter Contact Center Software for VCX Solutions Series

##### Upgrade

- HP EPIC 10-1 Base Upgrade VCX Software (JE270A)
- HP EPICAgent Set of 5 Upgrade VCX Software (JE269A)

##### VCX licenses

- HP EPIC 10-1 Base Upgrade VCX Software (JE270BAE)
- HP EPIC Agent Set of 5 Upgrade VCX Software (JE269BAE)
- HP EPICenter for NBX-to-VCX Software Upgrade (JD693BAE)
- HP EPIC IVR 4-port VCX License (JE262BAE)
- HP EPICAgent Inbound Voice VCX License (JE263BAE)

- HP EPICAgent Outbound Voice VCX License (JE264BAE)
- HP EPICAgent Email VCX (Set of 5) License (JE265BAE)
- HP EPICAgent Web VCX (Set of 5) License (JE266BAE)
- HP EPICVisor Supervisor VCX License (JE267BAE)
- HP EPICVisor Monitor VCX License (JE268BAE)



# S-Series: HP TippingPoint security products


For companies that require world-class network security solutions to proactively stop threats and deliver business continuity.

## Key features:

- Full suite of best-in-class network security products
- Designed for demanding enterprise and data center environments
- Backed by industry-leading research (DVLabs)
- Interoperability with A- and E-Series solutions

## Intrusion prevention system (IPS)

### IPS from HP TippingPoint

	Interfaces	Ethernet ports	Port segments	Zero power HA	Inspected throughput	Network throughput	Typical latency (microseconds)	Concurrent network sessions	Security contexts	Connections/sec	
<b>HP S Intrusion Prevention System (IPS) N Series</b>											
	<b>HP S5100N 5Gbps 5 Gig-T/1 10GbE/ 5 1GbE Fiber Segments IPS (JC022A)</b>	Fiber, copper	10 x 10/100/ 1000Base-T, 10 x 1 GbE SFP, 2 x 10 GbE XFP	1 x 10 GbE XFP segment, 5 x 1 GbE SFP segments, 5 x 10/100/ 1000Base-T segments	External*	5 Gbps	15 Gbps	< 80	10,000,000	2,600,000	230,000
	<b>HP S2500N 3Gbps 5 Gig-T/1 10GbE/ 2 1GbE Fiber Segments IPS (JC021A)</b>	Fiber, copper	10 x 10/100/ 1000Base-T, 10 x 1 GbE SFP, 2 x 10 GbE XFP	1 x 10 GbE XFP segment, 5 x 1 GbE SFP segments, 5 x 10/100/ 1000Base-T segments	External*	3 Gbps	15 Gbps	< 80	10,000,000	2,600,000	230,000
	<b>HP S1400N 1.5Gbps/ 5 Gig-T/5 1Gb Fiber Segments IPS (JC020A)</b>	Fiber, copper	10 x 10/100/ 1000Base-T, 10 x 1 GbE SFP	10	External	1.5 Gbps	1.5 Gbps	< 80	6,500,000	1,200,000	115,000
	<b>HP S660N 750Mbps 5 Gig-T/5 1Gb Fiber Segments IPS (JC019A)</b>	Fiber, copper	10 x 10/100/ 1000Base-T, 10 x 1 GbE SFP	10	External	750 Mbps	750 Mbps	< 80	6,500,000	1,200,000	115,000
	<b>HP S1500 SSL Appliance (JC190A)***</b>	Copper	8 x 10/100/ 1000Base-T	2		1/ 0.5** Gbps	< 80	2,000,000 total 32,000 SSL decrypt 16,000 SSL decrypt/ re-encrypt		50,000 total 5,000 SSL decrypt 2,500 SSL decrypt/ re-encrypt	
	<b>HP TippingPoint S1200N IPS A7500 Module (JC527A)</b>	Copper	2 x 1 GbE XFP			1.3 Gbps	1.3 Gbps	< 80	6,500,000		78,000

### HP S Intrusion Prevention System (IPS) N Series at a glance...

Inline security appliance that supports multiple IPS security filter packs, security services, and scalable partner security solution integrations. Updated with Digital Vaccine service.

\*Supports "Smart ZPHA" on the 10 GbE interface via slot for the optional module(s).

\*\*1 Gbps SSL offloading throughput; 500 Mbps SSL bridging throughput.

\*\*\*JC190A has no modules or accessories.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP S Intrusion Prevention System (IPS) N Series

##### Zero power high-availability bypass switches

- HP Zero Power High Availability 1 Fiber Segment Base Unit (JC006A)

Please refer to the HP Core Controller Base Chassis with 48x1000Base-T and 6x10GbE Ports for a complete list of applicable zero power high-availability bypass switches for the HP S Intrusion Prevention System (IPS) N Series.


##### Power supplies

- HP 400W AC Power Supply (JC018A) (The AC supply is for the 5100N, 2500N, 1400N, 660N, and the Core Controller.)
- HP 400W DC Power Supply (JC185A) (The DC supply is for the 5100N and 2500N IPS only.)

# S-Series: HP TippingPoint security products

## Intrusion prevention system (IPS) (continued)

### IPS from HP TippingPoint (continued)

	Interfaces	Ethernet ports	Port segments	Zero power HA	Inspected throughput	Network throughput	Typical latency (microseconds)	Concurrent network sessions	Security contexts	Connections/sec
 <p><b>HP 48-port Gig-T and 6-port 10GbE Core Controller Base Chassis (JC182A)</b></p>	Fiber, copper	6 x 10 GbE XFP, 48 x 10/100/1000Base-T iLink, 1 management interface	3 x 10 GbE XFP, 24 x 10/100/1000Base-T	External*		20 G	< 30			

#### HP Core Controller Base Chassis with 48x1000Base-T and 6x10GbE Ports at a glance...

Enables automated, inline 10 Gbps inspection to protect network devices, operating systems, and applications. Deployed as a "bump-in-the-wire" network element for up to three 10 Gbps network links. Works with all HP TippingPoint IPS appliances.

\*Supports "Smart ZPHA" on the 10 GbE interface via slot for the optional module(s).

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Core Controller Base Chassis with 48x1000Base-T and 6x10GbE Ports

##### Zero power high-availability bypass switches

- HP Zero Power High Availability 1 Copper Segment Module (JC005A)

- HP Zero Power High Availability 10G Multi-mode Module (JC007A)
- HP Zero Power High Availability 10G Single-Mode Module (JC008A)
- HP Zero Power High Availability 5 Fixed Copper Segments Bypass Unit (JC003A)

- HP Zero Power High Availability 5 Modular Segments Base Unit (JC004A)
- Net Optics 4 Station 10/100/1000 Solution Copper Bypass With 4 HB Segments (JC199A)
- Net Optics 4-station Solution G LX Fiber Bypass With HB Segments (JC197A)

- Net Optics 4-station Solution G SX Fiber Bypass With HB Segments (JC193A)
- Net Optics i-Bypass Single Copper Segment (JC192A)
- Net Optics i-Bypass Single LX Segment (JC196A)
- Net Optics i-Bypass Single SX Segment (JC198A)


##### Power supplies

- HP 400W AC Power Supply (JC018A) (The AC supply is for the 5100N, 2500N, 1400N, 660N, and the Core Controller.)

# S-Series: HP TippingPoint security products

## Intrusion prevention system (IPS) (continued)

### IPS from HP TippingPoint (continued)

		Interfaces	Ethernet ports	Port segments	Zero power HA	Inspected throughput	Network throughput	Typical latency (microseconds)	Concurrent network sessions	Security contexts	Connections/sec
<b>HP S Intrusion Prevention System (IPS) Series</b>											
	<b>HP S330 300Mbps Intrusion Prevention System (JC187A)</b>	1 GbE copper	9 x 10/100/1000Base-T	4	Built in	300 Mbps	300 Mbps	< 600	250,000 total sessions	250,000 total sessions	18,500
	<b>HP S110 100Mbps Intrusion Prevention System (JC186A)</b>	1 GbE copper	9 x 10/100/1000Base-T (includes 1 mgmt port)	4	Built in	100 Mbps	100 Mbps	< 600	250,000 total sessions	250,000 total sessions	9700
	<b>HP S10 20Mbps Intrusion Prevention System (JC184A)</b>	1 GbE copper	5 x 10/100/1000Base-T (includes 1 mgmt port)	2	Built in	20 Mbps	20 Mbps	< 500	250,000 total sessions	250,000 total sessions	3600

#### HP S Intrusion Prevention System (IPS) Series at a glance...

Full-featured small-form-factor IPS units that preserve availability, performance, and security on remote networks. Updated with Digital Vaccine service.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)


#### HP S Intrusion Prevention System (IPS) Series

This series has no modules or accessories.

# S-Series: HP TippingPoint security products

## Security management

### Security management from HP TippingPoint

	Enterprise-wide reporting	At-a-glance dashboard	Device configuration, monitoring	Automatic reporting	Automated security response	Policy-driven management	Digital Vaccine management	Event management and review	Automated event response for enforcement, remediation	User account, access management
<b>HP Security Management System Appliance Series</b>										
	HP Security Management System Appliance with 25-IPS System License (JC200A)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP High Availability Security Management System Appliance/ Redundant HDD/25-IPS System License (JC203A)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HP High Availability Security Management System Appliance with 25-IPS System License (JC202A)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>HP Security Management System Appliance Series at a glance...</b> Enterprise-class management platform that provides administration, configuration, monitoring, and reporting for multiple HP IPS systems. Zero-install rack-mountable appliance that features a state-of-the-art client interface.										

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP Security Management System Appliance Series

This series has no modules or accessories.

# V-Series products


For customers seeking cost-effective, simple-to-use business-quality networking solutions for their small businesses and independent office locations.

## Key features:

- Variety of offerings to meet a customer's specific needs at the right price
- Quick setup
- Easy ongoing administration
- HP quality backed by HP's global support organization

## Switches

### Smart managed switches

	Height (RU)	Module slots	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX)	SFP (1000Base-X)	SFP (10GBase-X)	Switching capacity
<b>HP V1910 Switch Series</b>										
					48		4			104 Gbps
						24	4			56 Gbps
						24	4			56 Gbps
					24		4			56 Gbps
					16		4			40 Gbps

### HP V1910 Switch Series at a glance...

Smart managed Gigabit Ethernet switches ideal for small and midsize organizations. Plug-and-play setup yet highly customizable using a Web-based interface for advanced feature setup. PoE models are available for Voice over IP implementations. V1910 models support Layer 2 functionality with Layer 3 static routing, access control lists for enhanced security, and Advanced Quality of Service features to improve performance.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V1910 Switch Series

##### Transceivers

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X124 1G SFP LC SX Transceiver (JD493A)

- HP X124 1G SFP LC LX Transceiver (JD494A)
- HP X125 1G SFP LC SX Transceiver (JD118B)
- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X125 1G SFP RJ45 T Transceiver (JD089B)

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)


- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)

- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

# V-Series products

## Switches (continued)

### Smart managed switches (continued)

	Height (RU)	Module slots	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX)	SFP (1000Base-X)	SFP (10GBase-X)	Switching capacity
<b>HP V1905 Switch Series</b>										
	HP V1905-10G-PoE Switch (JD864A)	1				10		1 DP		20 Gbps
	HP V1905-48 Switch (JD994A)	1	48	2				2 DP		13.6 Gbps
	HP V1905-24 Switch (JD990A)	1	24	2				2 DP		8.8 Gbps
	HP V1905-24-PoE Switch (JD992A)	1		24	2			2 DP		8.8 Gbps
	HP V1905-8-PoE Switch (JD877A)	1RU/ Desktop		8	1			1 DP		3.6 Gbps

#### HP V1905 Switch Series at a glance...

Smart managed Fast Ethernet switches ideal for small and midsize organizations. Plug-and-play setup yet highly customizable using an advanced Web-based interface. PoE model available for Voice over IP implementations. V1905 models support Layer 2 functionality, access control lists for enhanced security, and Advanced Quality of Service features for improved performance.

Note: DP = Dual-personality ports

### HP V1900-8G Switch



HP V1900-8G Switch (JD865A)	Desktop			8				1 DP		16 Gbps
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#### HP V1900-8G Switch at a glance...

Midrange smart managed Gigabit Ethernet switch. Eight ports. Basic smart managed Layer 2 connectivity.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V1905 Switch Series

##### Transceivers

- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X121 1G SFP RJ45 T Transceiver (J8177C)
- HP X124 1G SFP LC SX Transceiver (JD493A)\*
- HP X124 1G SFP LC LX Transceiver (JD494A)\*
- HP X120 1G SFP LC LX Transceiver (JD119B)

\*Only supported transceivers for the V1905-10G-PoE model.

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

#### HP V1900-8G Switch

##### Transceivers

- HP X120 1G SFP LC LX Transceiver (JD119B)
- HP X124 1G SFP LC SX Transceiver (JD493A)\*

\*Only supported transceivers for the V1905-10G-PoE model.


##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

# V-Series products

## Switches (continued)

### Smart managed switches (continued)


	Height (RU)	Module slots	10/100 ports (max)	10/100 PoE ports (max)	10/100/1000 ports (max)	10/100/1000 PoE ports (max)	SFP (100Base-FX)	SFP (1000Base-X)	SFP (10GBase-X)	Switching capacity
<b>HP V1810 Switch Series</b>										
					24			2 DP		48 Gbps
					8					16 Gbps

#### HP V1810 Switch Series at a glance...

Smart managed Gigabit Ethernet switches. Plug-and-play setup; customization using a Web-based interface. Layer 2 operation. Fanless, compact 8-port and 24-port (includes 2 dual-personality SFP slots) switch configurations.

Note: DP = Dual-personality ports

### HP V1700 Switch Series

			22		2			2 DP		8.4 Gbps
			7		1					3.4 Gbps

#### HP V1700 Switch Series at a glance...

Smart managed Fast Ethernet switches. Plug-and-play setup; customization using a Web-based interface. Layer 2 operation. Fanless, compact 8-port and 24-port (includes 2 dual-personality SFP slots) switch configurations.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V1810 Switch Series

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)
- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)

#### HP V1810-24G Switch (J9450A)

- HP X111 100M SFP LC FX Transceiver (J9054B)
- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)

#### HP V1700 Switch Series

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)

- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)
- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)

- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)
- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)


#### HP V1700-24 Switch (J9080A)

- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)

# V-Series products

## Switches (continued)

### Smart managed switches (continued)

	Dimensions	10/100Base-TX ports	10/100/1000Base-TX ports	RJ-45 pass-through ports	PoE (IEEE 802.3)	PoE forwarding	Managed
<b>HP IntelliJack Gigabit Switch Series</b>							
	HP NJ2000 1Gb IntelliJack Switch 20-Pack (JD058A)	5.1 x 3.2 x 1.6 in. (13 x 8 x 4 cm)	5	2	PoE, PoE+	Yes	Yes
	HP NJ2000 1Gb IntelliJack Switch (JD057A)	5.1 x 3.2 x 1.6 in. (13 x 8 x 4 cm)	5	2	PoE, PoE+	Yes	Yes
	HP NJ1000 1Gb IntelliJack Switch 20-Pack (JD051A)	5.1 x 3.2 x 1.6 in. (13 x 8 x 4 cm)	5	2	PoE, PoE+	Yes	
	HP NJ1000 1Gb IntelliJack Switch (JD050A)	5.1 x 3.2 x 1.6 in. (13 x 8 x 4 cm)	5	2	PoE, PoE+	Yes	

#### HP IntelliJack Gigabit Switch Series at a glance...

Unique "in-the-wall" Gigabit Ethernet switch designed to fit in a standard wall outlet box. Quickly convert a single port Ethernet wall jack into a four-port Gigabit Ethernet connection. Power up to two attached PoE devices. Ideal for hard-to-wire locations needing additional wired Ethernet connections.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP IntelliJack Gigabit Switch Series

##### Power supplies

- HP NJ1000/NJ2000 Local AC-to-DC 48V Power Supply (JD055A)
- HP Single-port 802.3at Gigabit PoE Midspan Power Supply (JD054A)

##### Mounting kit


- HP NJ1000/NJ2000 IntelliJack Desktop Stand (JD056A)



# V-Series products

## Switches (continued)

### Unmanaged switches

	Height (RU)	Module slots	10/100 ports	10/100 PoE ports	10/100/1000 ports	10/100/1000 PoE ports	SFP (100 Base-FX)	SFP (1000 Base-X)	SFP (10G Base-X)	Switching capacity
<b>HP V1410 Switch Series</b>										
	HP V1410-24G Switch (J9561A)	1			24			2 DP		48 Gbps
	HP V1410-16G Switch (J9560A)	1			16					32 Gbps
	HP V1410-8G Switch (J9559A)	1RU/ Desktop			8					16 Gbps

#### HP V1410 Switch Series at a glance...

Unmanaged Gigabit Ethernet switches in fanless compact 8-port and rack-mountable 16- and 24-port designs for plug-and-play connectivity. Ideal for entry-level networking environments.

Note: DP = Dual-personality ports

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V1410 Switch Series

##### Cables

- HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)
- HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)
- HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)

- HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)
- HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)
- HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)
- HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)

- HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable (BK837A)
- HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)
- HP 2 m PremierFlex OM3+ LC/LC Optical Cable (BK839A)
- HP 5 m PremierFlex OM3+ LC/LC Optical Cable (BK840A)

- HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A)
- HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A)
- HP 50 m PremierFlex OM3+ LC/LC Optical Cable (BK843A)


#### HP V1410-24G Switch (J9561A)

- HP X121 1G SFP LC SX Transceiver (J4858C)
- HP X121 1G SFP LC LX Transceiver (J4859C)
- HP X111 100M SFP LC FX Transceiver (J9054B)

# V-Series products

## Switches (continued)

### Unmanaged switches (continued)

	Height (RU)	10/100 ports	10/100/1000 ports	IEEE 802.1p prioritization	
<b>HP V1405 Switch Series</b>					
	HP V1405-24G Switch (JD022A)	1 RU		24	Yes
	HP V1405-16G Switch (JD998A)	1 RU		16	Yes
	HP V1405-24-2G Switch (JD020A)	1 RU	24	2	
	HP V1405-24 Switch (JD986A)	1 RU	24		
	HP V1405-16 Switch (JD984A)	1 RU	16		
	HP V1405-16G Desktop Switch (JD844A)	Desktop		16	Yes
	HP V1405-8G Switch (JD871A)	Desktop		8	Yes
	HP V1405-5G Switch (JD869A)	Desktop		5	Yes
	HP V1405-16 Desktop Switch (JD858A)	Desktop	16		
	HP V1405-8 Switch (JD867A)	Desktop	8		
	HP V1405-5 Switch (JD866A)	Desktop	5		
	HP V1405C-8G Switch (JD841A)	Desktop		8	Yes
	HP V1405C-5G Switch (JD838A)	Desktop		5	Yes
	HP V1405C-8 Switch (JD856A)	Desktop	8		
	HP V1405C-5 Switch (JD853A)	Desktop	5		

#### HP V1405 Switch Series at a glance...

Unmanaged Gigabit Ethernet and Fast Ethernet switches ideal for small and midsize organizations that don't need customized operation or management capabilities. Quick plug-and-play setup and hands-off operation. Fixed-configuration desktop or rack-mountable platforms. Fanless quiet operation. "C units" for compact, ultra-green design.

**Modules and accessories** (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V1405 Switch Series

This series has no modules or accessories.

# V-Series products

## Wireless LAN

### Wireless routers, access points

	10/100 ports	10/100/1000 ports	WAN ports	Number of radios	Virtual AP/multiple SSID (max)	Wireless Distribution System (WDS) bridging	Wi-Fi certification	IEEE 802.11a/b/g/n	Internal antennas	External antennas
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#### HP V110 Wireless-N Router Series



<b>HP V110 ADSL-B Wireless-N Router (JE461A)</b>	4 LAN		1	1		Yes	Yes	b, g, n	1	2
<b>HP V110 ADSL-A Wireless-N Router (JE459A)</b>	4 LAN		1	1		Yes	Yes	b, g, n	1	2

#### HP V110 Wireless-N Router Series at a glance...

Wireless IEEE 802.11n routers with robust routing and security features that allow wired and wireless users to share a single broadband connection for a small business.

#### HP V-M200 802.11n Access Point Series



<b>HP V-M200 802.11n Access Point (US) (J9467A)</b>		1		1	4	Yes	a/b/g/n	a/b/g/n		3
<b>HP V-M200 802.11n Access Point (WW) (J9468A)</b>		1		1	4	Yes	a/b/g/n	a/b/g/n		3

#### HP V-M200 802.11n Access Point Series at a glance...

IEEE 802.11n Independent Dual Band Access Point powered by PoE. Easy to use and deploy secure connectivity for all of the current and future wireless needs for growing small and medium businesses.

### Modules and accessories (For the most complete listing of modules, transceivers, power options, and other accessories, visit [www.hp.com/networking](http://www.hp.com/networking).)

#### HP V110 Wireless-N Router Series

##### Wireless client adapter

- HP 802.11n Dual Frequency (USB) Wireless Client Adapter (JD039A)

#### HP V-M200 802.11n Access Point Series

##### Wireless client adapter

- HP 802.11n Dual Frequency (USB) Wireless Client Adapter (JD039A)

##### Power supply

- HP 1-Port Power Injector (J9407A)

## Switches

	Specialty ports		Resiliency				Security			Convergence			Layer 3			Layer 2		IPv6	
	PoE/PoE+	10G ports	Advanced stacking (IRF, XRN, etc.)	Redundant power	Redundant fabric	Hot-swap modules	Access control lists	RADIUS login	DHCP snooping	IEEE 802.1p prioritization	DSCP (DiffServ)	Voice VLAN	Static routes	RIP v1/v2	OSPF	Multicast filtering	Link aggregation	IPv6 management	IPv6 routing
<b>Modular switches</b>																			
HP A12500 Switch Series		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP A9500 Switch Series		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP A7500 Switch Series	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP E8200 zl Switch Series	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP E5400 zl Switch Series	•	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP E4200 vl Switch Series		•		•		•		•	•	•	•	•	•		•	•		•	•

# HP networking product matrix (continued)

	Specialty ports		Resiliency				Security			Convergence			Layer 3			Layer 2		IPv6	
	PoE/PoE+	10G ports	Advanced stacking (IRF, XRN, etc.)	Redundant power	Redundant fabric	Hot-swap modules	Access control lists	RADIUS login	DHCP snooping	IEEE 802.1p prioritization	DSCP (DiffServ)	Voice VLAN	Static routes	RIP v1/v2	OSPF	Multicast filtering	Link aggregation	IPv6 management	IPv6 routing
<b>Switches</b>																			
<b>Fixed-port switches</b>																			
HP A5820 Switch Series		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP A5810-48G with 2 SPF+ slots AC Switch		•		•		•	•	•	•	•	•	•	•			•	•	•	•
HP A5800 Switch Series	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP A5500G EI Switch Series	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP A5500G SI Switch Series	•	•	•	•		•	•	•	•	•	•	•	•	•		•	•	•	•
HP A5120G EI Switch Series	•	•	•	•			•	•	•	•	•	•	•			•	•	•	•
HP A5120G SI Switch Series							•	•	•	•	•	•	•			•	•		•
HP A3610 Switch Series				•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP A3600 EI Switch Series	•		•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP A3600 SI Switch Series	•		•	•			•	•	•	•	•	•	•	•		•	•		•
HP A3100 EI Switch Series	•			•			•	•	•	•	•					•	•	•	•
HP A3100 SI Switch Series								•	•	•	•					•	•		•
HP IntelliJack Gigabit Switch Series	•								•								•		
HP E5500G Switch Series	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP E4800G Switch Series	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP E6600 Switch Series		•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP E3500 Switch Series	•	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP E6200-24G-mGBIC yl Switch		•		•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP E4510G Switch Series		•	•	•			•	•	•	•	•	•	•	•		•	•	•	•
HP E4500G Switch Series	•	•		•			•	•	•	•	•	•	•	•		•	•	•	•
HP E2915-8G-PoE Switch	•						•	•	•	•	•	•	•	•		•	•	•	•
HP E2910 al Switch Series	•	•					•	•	•	•	•	•	•	•		•	•	•	•
HP E4210G Switch Series	•	•	•	•			•	•	•	•	•	•				•	•	•	•
HP E2810 Switch Series				•				•	•	•						•	•		•
HP E2520 Switch Series	•							•	•	•	•					•	•	•	•
HP E2510 Switch Series								•	•	•						•	•		•
HP E5500 Switch Series	•		•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
HP E4500 Switch Series	•			•			•	•	•	•	•	•	•	•		•	•	•	•
HP E2615-8-PoE Switch	•						•	•	•	•	•	•	•	•		•	•	•	•
HP E2610 Switch Series	•			•			•	•	•	•	•	•	•	v2		•	•		•
HP E4210 Switch Series	•						•	•	•	•	•	•				•	•		•
HP V1910 Switch Series							•	•	•	•	•	•	•			•	•		•
HP V1905 Switch Series	•						•	•	•	•	•	•				•	•		•
HP V1900-8G Switch	•							•	•	•	•						•		•
HP V1810 Switch Series									•	•							•		•
HP V1700 Switch Series									•	•							•		•
HP V1410 Switch Series									•	•									•
HP V1405 Switch Series									•	•									•

# HP networking product matrix (continued)

	Hardware			Resiliency		Security			Convergence			Routing				Management			
	CompactFlash slot	USB ports	Enhanced service modules supported	Hardware hotswap	Bandwidth on demand/Dial on demand	Firewall and access control lists	VPN: L2TP and IPSec	Encryption: DES, 3DES, and AES	Embedded voice support (VPM/VCPM)	IEEE 802.1Q VLAN and 802.1p QoS	SIP voice gateway	BGP	IPX routing	OSPF	RIP v1/v2, static routes	Multicast routing (IGMP, PIM-SM, PIM-DM)	Management (SNMPv1/2/3, SSH)	MPLS Layers 2 and 3 VPN	Dual software image/Configuration rollback
<b>Routers</b>																			
<b>Routers</b>																			
HP A8800 Router Series	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A6600 Router Series	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A-MSR50 Series	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A-MSR30 Series	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A-MSR20 Series	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A-MSR20-1x Series		•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
HP A-MSR900 Series		•		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•

	Hardware			Security					Management			
	10G ports	PoE/PoE+ ports	SNMP v3 and SSH	RADIUS authentication	IEEE 802.1X support	EAP-TLS and EAPMD5, EAP-TTLA PEAP	WPA/WPA2	SNMP v1/v2	Telnet support	HP IMC/WSM management	Web management and discovery wizard	
<b>Wireless LAN</b>												
<b>Wireless controllers</b>												
HP A-WX5000 Access Controller Series			•	•	•	•	•	•	•	•	•	
HP A3000G Wireless Switch Series	•	•	•	•	•	•	•	•	•	•	•	
HP E-series MultiService Controller (MSM)	•		•	•	•	•	•	•	•	•	•	

# HP networking product matrix (continued)

	Ports		Modes					Wireless features					Security						
	PoE/PoE+ ports	Multiple radio design	Turbo mode 108 Mbps	IEEE 802.11a (54 Mbps)	IEEE 802.11b (11 Mbps)	IEEE 802.11g (54 Mbps)	IEEE 802.11n (300 Mbps)	IEEE 802.11n (450 Mbps)	Virtual AP/Multiple SSID	Wireless distribution system (WDS) bridging	Wi-Fi certification	Wi-Fi multimedia (WMM) QoS	AES encryption	SNMP v3 and SSH	RADIUS authentication	IEEE 802.1X support	EAP-TLS and EAPMD5, EAP-TTLS PEAP	WPA/WPA2	VPN initiation and termination
<b>Wireless LAN</b>																			
<b>Wireless routers and access points</b>																			
HP A-802.11n Access Point Series	•	•		•	•	•	•		•		•	•	•	•	•	•	•		•
HP A-802.11a/b/g Access Point Series	•	•		•	•	•					•	•	•	•	•	•	•		•
HP E-802.11n Dual Radio Access Point Series	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
HP E-802.11n Access Point Series	•	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•
HP E-MSM317 Access Device Series	•			•	•	•			•		•								•
HP 802.11a/b/g Access Point Series	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•
HP Mobility Integrated Services Access Point Series	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
HP E-M111 Client Bridge Series				•	•	•			•		•	•	•						
HP E-M110 Access Point Series	•			•	•	•			•		•	•	•	•	•	•	•		•
HP V110 Wireless-N Router Series				•	•	•			•	•	•	•	•	•	•	•	•	•	•
HP V-M200 802.11n Access Point Series		•		•	•	•	•		•	•	•	•	•	•	•	•	•		•
<b>Wireless security, bridges</b>																			
HP Networking Mobility Security IDS/IPS Series	•	•		•	•	•	•						•						
HP Wireless Workgroup Bridge			•	•	•	•			•	•	•	•	•	•	•	•	•		•
HP 802.11a Integrated Outdoor Bridge and Access Point	•	•		•	•	•			•	•	•	•	•	•	•	•	•		•
<b>Wireless client adapters</b>																			
HP 802.11n Dual Frequency (USB) Wireless Client Adapter				•	•	•	•			•					•		•		

# HP networking product matrix (continued)

	Security								HA features				Management			
	In line enforcement	Threat suppression engine (TSE)	Stateful firewall	VPN concentrator	Deep packet inspection (layer 2-7)	Traffic classification and rate shaping	Periodic delivery of attack filter updates	Network discovery	Redundant power supplies	Layer 2 fallback	Active-active or active-passive stateful redundancy (IPS + SMS)	Zero power high availability—internal	Zero power high availability—external	Command-line interface (CLI)	Web-based management	Supported by enterprise security management system
<b>Security</b>																
<b>Intrusion Prevention Systems (IPS)</b>																
HP S Intrusion Prevention System (IPS) N Series	•	•			•	•	•	•	•	•		•	•	•	•	•
HP Core Controller Base Chassis with 48x10GbE Base-T and 6x10GbE Ports	•	•			•	•	•	•	•	•		•	•	•	•	•
HP S Intrusion Prevention System (IPS) Series	•	•			•	•	•	•	•	•	•		•	•	•	•
<b>HP threat management services</b>																
HP Threat Management Services zl Module	•		•	•	•		•	•					•	•		•
<b>Security management</b>																
HP Security Management System Appliance Series							•	•	•	•						•



# HP networking product matrix (continued)

	Ports				Connections				Functionality								Software		
	Speakerphone support	PoE support (802.3af)	Ethernet support	Headset jack support	Analog devices	Analog trunks	T1 spans/voice channels	E1 spans/voice channels	BRI ports/voice channels	Integrated auto-attendant (AA) software	Multi-language support	Built-in VCX business phone licenses	Automatic call distribution	Unified inbox	Voicemail	Inbound fax to email	Redundancy	Graphical call detail recording (CDR)	Presence
<b>Unified communications</b>																			
<b>IP telephones</b>																			
HP 350x IP Phone Series	•	•	•	•						•				•					
HP 310x IP Phones Series	•	•	•	•						•				•					
<b>Softphones</b>																			
HP VCX Desktop Communicator Software Series	•													•			•	•	
<b>VoIP gateways</b>																			
HP VCX V71xx Gateway Series			•		•	•	•	•											
<b>IP communications platforms</b>																			
HP VCX V7000 Unified Communications Series			•		•	•	•	•	•	•		•	•	•	•	•	•	•	•
HP VCX V6000/V6100 Enterprise Branch Communication Series			•		•	•	•	•	•	•		•	•	•	•	•	•	•	•
HP VCX Connect 200 Unified Communications Series			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP VCX Connect 100 Unified Communications Series			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP VCX Connect Platform Series			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP VCX Enterprise Branch Communications MIM on MSR Series		•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•
HP VCX Connect Unified Communications MIM on MSR Series		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HP VCX Desktop Communicator Software Series	•													•			•	•	

# HP Networking Product Matrix (continued)

	Resource management				Performance monitoring				Integration and licensing				Configuration				Wireless			
	Discovery	Topology mapping	Monitoring	Inventory reports	Enhanced events and alarms	Scheduled tasks	Audit reports	Error and utilization reports	External database support	Unlimited maximum network size	Additional node licenses supported	HP OpenView Windows integration	Configuration backup and restore	Network-wide VLAN support	Bulk agent updates	Bulk configuration	Extensible for third-party device support	Radio/WLAN discovery	WLAN security configuration	Radio/RF configuration
<b>Management software</b>																				
<b>HP Intelligent Management Center (IMC)</b>																				
HP IMC Management Center Standard Software Platform	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
HP Intelligent Management Center Enterprise Software	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
HP A-IMC Network Traffic Analyzer Software			•	•	•	•	•			•	•			•			•			
HP A-IMC User Behavior Auditor Software			•				•			•	•									
HP A-IMC User Authentication Management Software		•	•	•	•		•	•		•	•						•			
HP A-IMC Endpoint Admission Defense Software			•	•	•		•	•		•	•									
HP A-IMC Wireless Services Manager Software		•	•	•	•	•	•	•		•	•					•		•	•	•
HP A-IMC Voice Services Manager Software		•	•	•	•	•	•	•		•	•		•							
HP A-IMC MPLS VPN Software		•	•	•	•	•	•	•		•	•				•	•	•			
HP A-IMC QoS Manager Software			•	•	•	•	•	•		•	•					•	•			
HP IMC Integration Kit for Network Node Manager	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
HP A-IMC IPSec VPN Manager Software	•	•	•	•	•	•	•	•	•	•	•		•		•	•				
HP A-IMC Service Operation Management Software				•	•	•	•	•	•	•	•									
<b>Management software</b>																				
HP PCM Software	•	•	•	•																
HP PCM Plus Network Management Software Series	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•			
HP Identity Driven Manager 3.0	•		•				•	•	•	•										
HP E-MM Mobility Manager Software Series	•																	•	•	•
HP Network Immunity Manager (NIM) Software Series			•		•		•			•	•				•	•				
<b>Unified communications management</b>																				
HP eXchange Call Center Software for VCX Solutions Series			•		•		•	•			•									
HP EPICCenter Contact Center Software for VCX Solutions Series			•		•		•	•			•									

# HP networking services and support

## HP networking warranty

HP networking products come with warranties you would expect from HP. From industry-leading lifetime warranties (for as long as you own the product) through competitive one-year warranties, HP networking product warranties have been developed to complement a broad portfolio of HP services to effectively meet your needs. All of our warranties feature advance replacement (available in most countries)\*, with coverage for the entire product, including fans and power supplies, for the entire warranty period. The Hewlett-Packard Hardware Warranty Statement containing the terms and conditions for the warranty on HP networking products can be viewed at [www.hp.com/networking/warranty](http://www.hp.com/networking/warranty). The warranty period for each of our products is also listed there.

Our warranty, though, is just the beginning of what we include with our products. To help make it easier for you to implement, use, and maintain our products, we also include many support features with most of our products, including self-help tools available 24x7 on the Web, telephone support, email support and electronic case submission, and software releases.

Refer to [www.hp.com/networking/support](http://www.hp.com/networking/support) for details on these support features, and visit [www.hp.com/networking/contact-support](http://www.hp.com/networking/contact-support) for details on how to contact HP for technical support.

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\*Response times are based on local standard business days and working hours. Response time begins once HP has completed confirming the product failure and identifying the replacement part. Response time is based on commercially reasonable effort and subject to a daily shipment cutoff time. In some countries and regions and under certain supplier constraints, response time may vary. If your location is outside the customary service zone, response time may be longer. Contact your local HP service organization for response time availability in your area.

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## HP Network Services

### Services that add value to your business

Recent market developments have demonstrated the need for businesses everywhere to be prepared for unpredictability and to focus on improving employee productivity. This demands that your technology infrastructure be quick to respond to changing business needs, less expensive to maintain, and easy to manage.

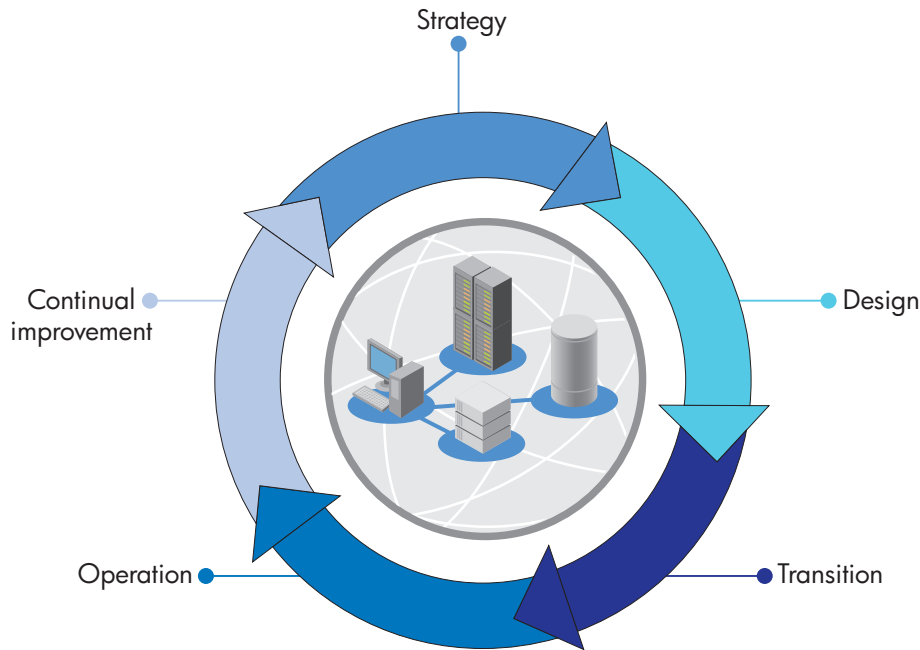
Organizations around the world are looking to:

- Simplify their network to mitigate disruption while making changes
- Reduce telecom and travel costs without a “rip-and-replace” solution
- Enhance productivity by enabling the seamless exchange of data, voice, and video over a converged network
- Strengthen their networks to enable stability while supporting advanced technology solutions and mission-critical applications
- Improve their network security to effectively protect information assets

HP Network Services help our customers get the most value out of their networks. Our expertise and credentials span the network and IT, focusing on people, process, and converged infrastructure.

## HP network lifecycle services

Services for the entire lifecycle of your extensible network



### Network consulting services

The new Network Consulting Services portfolio frees customers from proprietary networking and delivers simpler network architectures that perform better and are more secure. The new portfolio of end-to-end Lifecycle of Services provides a comprehensive set of offerings focused on Converged Network Infrastructure, Open Standards Networking, UC&C, and Network Security. These services enable our clients to transform their networks to enable anywhere, anytime access to applications across the extended enterprise, to plan and migrate to open standards networking for cost and performance benefits, and to accelerate network-based projects with deep multivendor networking expertise and certified project management plus deliver network readiness for UC&C projects.

#### Planning and Strategy Services: Network Transformation

Network Transformation Services help break the network innovation gridlock and fully deploy the power of the network with anywhere, anytime access to applications across your extended enterprise.

- Visioning Workshop—Transformation Roadmap
- Business Benefits Roadmap Service—Business Case
- Strategic Architecture Service—Architectural Blueprints

Delivered using a consistent approach predicated by years of success in using proven methodologies and processes, these services use the same approach that has been used to deliver data center, virtualization (server, client, storage), and, more recently, UC&C and cloud projects. Outcomes include seamless, secure access to applications anywhere, anytime from any device; faster provisioning of network services across the enterprise with higher ROI; better network performance at a lower TCO; and cost savings achieved by automating network provisioning, purchasing costs, reducing energy consumption, and in some cases short-term payback that self-sustains the transformation initiative.

#### Planning and Migration Services: open standards networking

HP Planning and Migration Services help customers to assess, plan, and migrate from proprietary networking to open standards networking, enabling them to take advantage of design, performance, and TCO advantages without interrupting their businesses.

These services bring the unique expertise and knowledge HP gained from its own experience of migrating to open standards networking and new open standards-based reference architectures. Our consultants were critical to the HP team that migrated HP's core network in our six data centers to open standards-based networking.

Assessments: The open standards readiness assessment service is delivered through an interactive workshop and whiteboard session that facilitates a comparison of a customer's existing network architecture to an open standards-based architecture. This service targets each network module, such as data center network, and its network layers, such as routing protocols, spanning tree, and network discovery protocols. Upon completion of the service, customers will understand the implications of transitioning their network to an open standards network.

Other assessments include network readiness for voice, video, network health check, wireless assessment, and security.

### **Architecture, Design, Integration, and Deployment Services**

Our architecture and design and implementation services include a detailed requirements analysis, and use a comprehensive HP network reference architecture to create a customer-specific design, site surveys, logical and physical design, network security design, network management rationalization, detailed bill of materials, and elaborated implementation guides. We also provide end-to-end implementation services from procurement through testing, cutover and acceptance, and knowledge transfer.

HP also has Global Deployment centers where we can stage and ship globally. In addition, HP can provide onsite installation and testing.

### **Optimization**

Our suite of optimization services can help customers identify and address performance issues related to or caused by the network infrastructure. This can include analyzing application traffic and WAN optimization.

## **HP Network Support Services**

HP Network Support Services offer a range of comprehensive proactive and reactive services to boost the availability and performance of your network. Available as standardized, prepackaged HP Care Pack Services or Contractual Services, these easy-to-purchase services offer a wide range of service-level options to manage the networking infrastructure. HP Network Support Services reduce the risk of unplanned downtime, improve the potential of your technology investment with improved performance, and free up resources for business innovation.

### **HP Networking Installation and Startup Services**

HP Networking Installation and Startup Services help you get your HP networking devices up and running quickly with services ranging from preliminary solution planning and design to installation, configuration, device verification, device startup, and product briefing services. These services provided by HP qualified experts lead to reduced disruption of your IT and business operations, and free up your IT resources so that you can focus on strategic business needs.

- HP Networking Installation Service—provides installation with reduced configuration during local HP business hours.
- HP Networking Installation and Startup Service—offers services ranging from preinstallation planning, installation, configuration, device verification, device startup, and product briefing during local HP business hours.
- HP Factory Express Service—provides an array of factory-customized, factory-configured, and factory-integrated deployment services.

### **Reactive Hardware and Software Support**

Reactive Hardware and Software Support offer protection against network downtime by extending the lifetime warranty coverage of your HP networking devices and increase the performance and availability of your network infrastructure. These services offer advanced levels of hardware repair and replacement response times.

- Ranging from next-business-day to 13x5 and 24x7 coverage with four-hour response to six-hour or 24-hour Call-to-Repair services
- 24x7 Software Technical Support Services that offer software updates and device-specific, 24x7 phone-in assistance for problem diagnosis and resolution
- Onsite contractual support that dispatches a service technician with your replacement hardware

### **Combination hardware/software support**

- **HP Support Plus**—HP Services engineers deliver onsite hardware support and over-the-phone software support 13 hours per day, 5 days per week, and software updates (where applicable), as well as dispatch of a customer engineer onsite with 4-hour response time if the problem cannot be resolved remotely.
- **HP Support Plus 24**—This service provides 24x7 hardware and software phone technical support and dispatch of a customer engineer onsite with 4-hour response time if the problem cannot be resolved remotely.

### **HP Mission Critical and Proactive Services**

These services are designed to improve your network operations, proactively address issues before they become a problem, and keep your business up and running. The Proactive Select services menu offers a flexible way to purchase service credits based on your requirements. The support options available are:

- **HP Proactive 24 Service**—This is an integrated hardware and software support solution that combines efficient proactive problem prevention with responsive technical support whenever you need it. An assigned HP account support manager serves as the primary contact for proactive services and provides access to HP's broad base of technical resources.
- **HP Critical Service**—You can have access to an account support manager to provide proactive onsite expertise, priority reactive assistance from the HP worldwide network of mission-critical response centers, and remote support tools to monitor your environment for potential problems. You can also have a dedicated HP team to evaluate how well your existing infrastructure meets availability needs, recommend ways to improve service levels, and help you implement changes to enhance the management and control of technology processes and applications.

### **HP Critical Advantage**

HP Critical Advantage offers a combination of reactive and proactive services, with flexible credits to choose the services best suited to your needs. Reactive services offer the choice of 13x5, 24x7, or 6-hour Call-to-Repair services. With the choice of reactive hardware services, HP Critical Advantage includes 24x7 software support, 2-hour standard response, and expedited response from HP Global Mission Critical Solution Center support. Proactive services offered include remote support; firmware and software revision analysis; virtual and physical technology review; and account management services for performance tuning, capacity planning, and assistance.

Critical Advantage offers an assigned team of resources that is your single point of accountability. A Critical Advantage account team includes an onsite account support manager for mission-critical hardware and software support, a remote support executive, and an onsite mission-critical hardware specialist. HP Critical Advantage is designed to help

customers fully realize the potential of their technology investments, and address pain points and challenges associated with increasing utilization, improving availability, and resolving complex infrastructure problems.

### **Services for HP TippingPoint products**

These services offer hardware and software services to increase the availability and reliability of HP TippingPoint security products. They also offer next-business-day advance exchange service and software updates for eligible HP TippingPoint products, as well as filters to provide rapid inoculation against emerging threats to the network.

- **HP Premium TippingPoint Services**—offer advanced hardware replacement, 24x7x365 telephone support, software upgrades, and HP TippingPoint Digital Vaccine filters, which are new attack filters delivered twice a week as emerging vulnerabilities are discovered.
- **HP Platinum TippingPoint Services**—include HP TippingPoint Premium Support plus:
  - Dedicated account support—a primary and two backup Account Consulting Engineers who fully understand a customer's infrastructure, make configuration and deployment recommendations, will respond to customer issues within one hour, and will perform two Security Deployment Reviews, which assess the IPS deployment
  - Onsite customer training—will deliver a customized class annually
  - Advanced Implementation Services—includes 10 days of Advanced Implementation Services that implement customer initiatives such as deployment of additional HP TippingPoint products, integration with third-party tools, custom HP TippingPoint Security Management System script development, or custom reporting development
  - Onsite cold spares
  - Custom Digital Vaccine development
- **HP TippingPoint Digital Vaccine** automatically delivers filters to customers on a weekly basis to address vulnerabilities such as viruses, worms, Trojans, and spyware. When it comes to filter development, HP TippingPoint is an industry leader in the three most important filter metrics—filter accuracy, breadth of filter coverage, and speed and timeliness of filter releases.

- HP TippingPoint Emergency Response Service— Organizations that are experiencing a network security breach or that think they may be under attack can contact HP networking for onsite deployment of an HP TippingPoint Intrusion Prevention System (IPS), usually within 24 to 72 hours:
  - IPS is deployed and begins blocking attacks in minutes
  - Broad and timely threat coverage
  - Prevents attacks from causing additional damage or data loss
  - Global threat mitigation
  - Flexible solutions covering threats across the network

### **HP Networking Environment Direct Access Service (EDAS)**

EDAS is a modular service designed for customers who require advanced technical support that is complementary to HP's competitive warranty support. The service encompasses all HP networking products within your network infrastructure and provides direct 24x7 access to an expert team of certified HP networking support engineers. The service modules can be combined to meet your requirements for worldwide coverage with the option of an HP Technical Account Manager (TAM) assigned to you.

### **HP Education Services**

HP Education Services equip a customer's IT team with the skills to ease HP networking implementation, and streamline technology migration and consolidation while improving their return on their networking investment. Technical product and solution training course topics cover all aspects of networking and infrastructure products. HP's online and instructor-led courses can help customers improve system performance and availability.

## **Outsourcing services**

HP Network Services help clients manage the growing complexities of aligning their communications and network needs with their overall technology outsourcing strategies to support business goals. Offerings include:

- Network Application Services
- Network Management Services
- Network Security Services
- Network Transformation Services
- Unified Communications Services
- HP TippingPoint Managed Security Service

To get more details about the HP Services available in your country, please visit the Web:

[www.hp.com/networking/services](http://www.hp.com/networking/services)

- Business & IT Services overview  
[www.hp.com/services](http://www.hp.com/services)
- HP Network Services  
[www.hp.com/go/networks](http://www.hp.com/go/networks)
- HP Care Pack services for HP networking products  
[www.hp.com/networking/care-packs](http://www.hp.com/networking/care-packs)
- HP Mission Critical and Proactive Services  
[www.hp.com/services/missioncritical](http://www.hp.com/services/missioncritical)
- Look up HP Care Pack services in Care Pack Central  
[www.hp.com/go/cpc](http://www.hp.com/go/cpc)
- HP Enterprise Services overview  
[www.hp.com/enterprise/services](http://www.hp.com/enterprise/services)

Please check the availability of these services in your respective country.

### **For more information**

To learn more about HP networking products and solutions, please visit [www.hp.com/go/networking](http://www.hp.com/go/networking).

# 3Com product index

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3CRTPAC0096C	GBIC FIBER	JC001A	HP Single Mode GBIC's Kit (8 GBIC's)	1 year
3CRTPAC0196C	GBIC COMBO	JC002A	HP Single Mode GBIC's Kit (4 GBIC's)	1 year
3CRTPZP0096C	ZERO POWER HA BYPASS UNIT	JC003A	HP Zero Pwr HA Bypass Unit-5 Copper Segments	1 year
3CRTPZP0196C	MODULAR ZPHA BASE UNIT	JC004A	HP Zero Pwr HA Base Unit 5 Mod Segments	1 year
3CRTPZP0296C	MODULAR ZPHA COPPER	JC005A	HP Zero Pwr HA Module -1 Copper Segments	1 year
3CRTPZP0396C	MODULAR ZPHA FIBER	JC006A	HP Zero Pwr HA Base Unit -1 Fiber Segments	1 year
3CRTPZPMM96E	ZPHA Multi-Mode Smart	JC007A	HP ZPHA 10G Multi-Mode Module	1 year
3CRTPZPSM96E	ZPHA Single-Mode	JC008A	HP ZPHA 10G Single-Mode Module	1 year
TPOSFPCP0S	Copper SFP	JC009A	HP SPF Module Copper Short Range	1 year
TPOXFPLRF0S	XFP LONG RANGE	JC010A	HP XFP Module 10G Long Range	1 year
TPOXFPSRF0S	XFP SHORT RANGE	JC011A	HP SPF Module 10G Short Range	1 year
TPOXSPLRF0S	Single-Mode SFP Pair	JC012A	HP Net Optics 1310nm SM L-Range SPF pair	1 year
TPOXSPSRF0S	Multi-Mode SFP Pair	JC013A	HP Net Optics 850nm MM S-Range SPF pair	1 year
TPCCJMPMM	CC Jumper Multi-Mode	JC014A	HP Core Controller Jumper Multi-Mode	n/a
TPCCJMPSM	CC Jumper Single-Mode	JC015A	HP Core Controller Jumper Single-Mode	n/a
TPCCRLK	Core Controller Rail Kit	JC016A	HP Core Controller Rail Kit	n/a
TPNSRLKT	Slide Kit Quick Release	JC017A	HP Slide Kit Quick Release	n/a
TPPWR400AC	AC Power Supply Unit	JC018A	HP 400W AC Power Supply	1 year
TPRN0660BAS96	ZORRO 660N COMBO AC	JC019A	HP S660N IPS-750Mbps-5x Gig-T/5x 1Gb Fbr	1 year
TPRN1400BAS96	ZORRO 1400N COMBO AC	JC020A	HP S1400N IPS-1.5Gbps-5x Gig-T/5x 1G Fbr	1 year
TPRN2500B0S96	ZORRO 2500N COMBO AC	JC021A	HP S2500N IPS 3Gbps-5-GT/1-10GE/2-Gb Fbr	1 year
TPRN5100B0S96	ZORRO 5100N COMBO AC	JC022A	HP S5100N IPS-5Gbps-5-GT/1-GE/5-1GbE fib	1 year
0231A0C1	32-Port 10G BASE-R Interface Module	JC064A	HP 32-Port 10GE SFP+ A12500 Module (LEB)	1 year
0231A85L	H3C S12500 48-port 10/100/1000BASE-T LEC (RJ45)	JC065A	HP 48-Port Gig-T A12500 Module	1 year
0231A85M	H3C S12518 Switch Fabric Card	JC066A	HP A12518 Fabric Module	1 year
0231A0KU	S12508 Switch Fabric Card	JC067B	HP A12508 Fabric Module	1 year
0231A85Y	H3C S12500 8-port 10GBASE-R/W LEC (XFP)	JC068A	HP 8-Port 10-GbE XFP A12500 Module	1 year
0231A86G	H3C S12500 48-port 1000BASE-X LEC (SFP)	JC069A	HP 48-Port GbE SFP A12500 Module	1 year
0231A93U	H3C S12500 4-port 10GBASE-R/W LEC (XFP)	JC070A	HP 4-Port 10-GbE XFP A12500 Module	1 year
0231A967	H3C 1GB SDRAM	JC071A	HP A12500 Additional 1 GB SDRAM DDR2	1 year
0231A968	H3C S12500 Management Module	JC072A	HP A12500 Management Module	1 year
0231A97U	H3C S12500 8-port 10GBASE-R/W Module LEB (XFP)	JC073A	HP 8-Port 10GBASE-R/W LEB A12500 Module	1 year
0231A97W	H3C S12500 48-Port 10/100/1000BASE-T Module LEB (RJ45)	JC074A	HP 48-Port Gig-T Module LEB A12500 Mod	1 year
0231A981	H3C S12500 48-port 1000BASE-X Module LEB (SFP)	JC075A	HP 48-Port GbE SFP LEB A12500 Module	1 year
0231A989	H3C S12500 4-port 10GBASE-R/W Module LEB (XFP)	JC076A	HP 4-Port 10GBASE-R/W LEB A12500 Module	1 year
0231A98D	H3C S12518 Fan Assembly	JC080A	HP A12518 Spare Fan Assembly	1 year
0231A98G	H3C S12508 Fan Assembly	JC081A	HP A12508 Spare Fan Assembly	1 year
0231A98H	H3C S12508 Air Filter (spare)	JC082A	HP A12508 Spare Air Filter	1 year
0231A98J	H3C S12518 Air Filter (spare)	JC083A	HP A12518 Spare Air Filter	1 year
0231A98K	H3C S12500 Cable Management module	JC084A	HP A12518 Cable Management Module	1 year
0231A0A9	H3C S5800 300W AC Power Supply	JC087A	HP A5800 300W AC Power Supply	1 year
0231A0AC	H3C S5800 750W DC Power Supply (PoE)	JC088A	HP A5800 750W DC Power Supply	1 year
0231A0AD	H3C S5800 750W AC Power Supply (PoE)	JC089A	HP A5800 750W AC PoE Power Supply	1 year
0231A93D	H3C S5800 300W DC Power Supply	JC090A	HP A5800 300W DC Power Supply	1 year
0231A93G	H3C S5800 4-port 10GBASE-X (SFP+) Module	JC091A	HP 4-Port 10-GbE SFP+ A5800 Module	lifetime
0231A0KV	2-Port 10G Ethernet SFP PLUS Optical Interface Module	JC092B	HP 2-Port 10-GbE SFP+ A5800 Module	lifetime
0231A93L	H3C S5800 16-port 10/100/1000BASE-T (RJ45) Module	JC094A	HP 16-Port Gig-T A5800 Module	lifetime
0231A93M	H3C S5800 16-port 1000BASE-X (SFP) Module	JC095A	HP 16-Port SFP A5800 Module	lifetime
0231A93R	H3C S5800 Flex Chassis Fan Assy (spare)	JC096A	HP A5800 2RU Spare Fan Assembly	lifetime
0231A0LN	H3C S5800-60C-PWR Mid Power Module, PoE+ Module Slot	JC097B	HP PoE A5800 Module	lifetime
0231A94B	H3C S5800-32F Fan Assembly (spare)	JC098A	HP A5800 1RU Spare Fan Assembly	lifetime
0235A36S	H3C S5800-32C-PWR - 24-port 10/100/1000BASE-T (RJ45) + 4-port 10GBASE-X (SFP+) + 1 media module, PoE	JC099A	HP A5800-24G-PoE Switch	lifetime
0235A36U	H3C S5800-32C - 24-port 1BT + 4-port (SFP+) + 1 media slot	JC100A	HP A5800-24G Switch	lifetime
0235A36W	H3C S5800-60C-PWR 48-port BT + 4-port SFP + 2 media modules + OSM	JC101A	HP A5800-48G Switch with 2 Slots	lifetime

\*Lifetime warranty for as long as you own the product.



# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0235A370	H3C S5820X-28S 24-port 10GBASE-X (SFP+) + 4-port 10/100/1000BASE-T (RJ45)	JC102A	HP A5820-24XG-SFP+ Switch	1 year
0235A374	H3C S5800-32F 24-port 1000BASE-X (SFP) + 4-port 10GBASE-X (SFP+) + media module (no power)	JC103A	HP A5800-24G-SFP Switch	lifetime
0235A378	H3C S5800-56C-PWR 48-port BT + 4 port (SFP+) + media module	JC104A	HP A5800-48G-PoE Switch	lifetime
0235A379	H3C S5800-56C 48-port 10/100/1000BASE-T (RJ45) + 4port 10GBASE-X (SFP+) + media module	JC105A	HP A5800-48G Switch	lifetime
0235A37L	H3C S5820X-28C 14 port (SFP+) + 4-port BT (RJ45) + 2 media modules + OSM	JC106A	HP A5820-14XG-SFP+ Switch with 2 Slots	1 year
0231A0BX	S9500E 48-port 10/100/1000BASE-T (RJ45)	JC107A	HP 48-Port Gig-T A9500 Module	1 year
0231A0C4	S9500E 16-port 10GBASE-X (SFP+) 4:1	JC108A	HP 16-Port 10-GbE SFP+ A9500 Module	1 year
0231A83E	S9512E/S9505E/SR88 Fan Assembly	JC109A	HP A9512/A9505/A8800 Spare Fan Assembly	1 year
0231A0L5	AC P/S 90-264V (Max 1800W)	JC110B	HP A9500/A8800 1800W AC Power Supply	1 year
0231A83T	S9500E/SR88 AC Power Frame	JC111A	HP A9500 3500W AC Power Frame	1 year
0231A865	S9500E 2-port 10GBASE-X (XFP)	JC112A	HP 2-Port 10-GbE XFP A9500 Module	1 year
0231A866	S9500E 48-port 1000BASE-X (SFP)	JC113A	HP 48-Port GbE SFP A9500 Module	1 year
0231A86D	S9500E 4-port 10GBASE-X (XFP)	JC114A	HP 4-Port 10-GbE XFP A9500 Module	1 year
0231A877	S9500E 48-port 10/100/1000BASE-T (RJ45) Advanced	JC115A	HP 48-Port Gig-T Advanced A9500 Module	1 year
0231A90A	S9500E 48-port 10/100/1000BASE-T (RJ45) 2.4:1	JC116A	HP 48-Port Gig-T 2.4:1 A9500 Module	1 year
0231A90Q	S9500E 24-port 1000BASE-X (SFP) Advanced w/ 8 Combo	JC117A	HP 24-Port GbE SFP Advanced A9500 Module	1 year
0231A91K	S9500E 4-port 10GBASE-X (XFP) Advanced	JC118A	HP 4-Port 10-GbE XFP Adv A9500 Module	1 year
0231A92M	S9500E 24-port 10/100/1000BASE-T (RJ45)Advanced w/ 8 Combo	JC119A	HP 24-Port Gig-T Advanced A9500 Module	1 year
0231A95W	S9500E 720 Gbps Fabric (OAM)	JC120A	HP 720 Gbps A9500 Fabric Module	1 year
0231A95Y	S9505E 360 Gbps Fabric (OAM)	JC121A	HP 360 Gbps A9500 Fabric Module	1 year
0231A987	S9500E 24-port 10/100/1000BASE-T (RJ45) w/ 8 Combo	JC122A	HP 24-Port Gig-T A9500 Module	1 year
0231A988	S9500E 24-port 1000BASE-X (SFP) w/ 8 Combo	JC123A	HP 24-Port GbE SFP A9500 Module	1 year
0235A0G6	H3C S9505E Routing-Switch Chassis	JC124B	HP A9505 Switch Chassis	1 year
0235A0G7	H3C S9512E Routing-Switch Chassis	JC125B	HP A9512 Switch Chassis	1 year
0231A0AN	DB28 E1 Cable-120 ohm-3m-RJ45)	JC126A	HP X260 E1 RJ45 120 ohm 3m Router Cable	n/a
0231A0AP	DB28 E1 Cable-75 ohm-3m-BNC)	JC127A	HP X260 E1 BNC 75 ohm 3m Router Cable	n/a
0231A0AQ	DB28 T1 Cable-100 ohm-3m-RJ45)	JC128A	HP X260 T1 RJ45 100 ohm 3m Router Cable	n/a
0231A39A	1Port 10GBASE-R/W Ethnt Opt Interface Cd	JC129A	HP 1-Port 10GBase-R/W A8800 Module	1 year
0231A39B	SPE-1010-E Single Service Processing Engine (Enhanced)	JC130A	HP Enh Single Svc Process Engrn A8800 Mod	1 year
0231A39L	10Port 1000BASE-X Optical Interface Card	JC131A	HP 10-Port 1000Base-X A8800 Module	1 year
0231A0NJ	PIC-GP20R-20-Port 1000BASE-X Optical Interface Card	JC132B	HP 20-port 1000Base-X A8800 Module	1 year
0231A39R	SPE-1020-E Dual Service Processing Engine (Enhanced)	JC133A	HP Enh Dual Svc Process Engine A8800 Mod	1 year
0231A75Y	8 Port E1/T1+8-Port Fiber GE	JC134A	HP 8p E1/T1 + 8p Fiber GbE A8800 Module	1 year
0231A0NH	20Port 10/100/1000B Electrical Interf Cd	JC135B	HP 20p 10/100/1000 Eth El Intf A8800 Mod	1 year
0231A793	1GB SDRAM for SR88	JC136A	HP A8800 1GB SDRAM	1 year
0231A80E	SR8800 Routing Switch Processing Board	JC137A	HP A8805/08/12 (2E) Main Control Unit Mod	1 year
0231A82E	Main Control Unit for SR8805/08/12 (1E)	JC138A	HP A8805/08/12 (1E) Main Control Unit Mod	1 year
0231A82F	SPE1010 Single Service Processing Engine	JC139A	HP Single Svc Processing Engrn A8800 Mod	1 year
0231A83B	DC P/S 36-72V (Max 1300W) for SR8802	JC140A	HP A8802 1300W 36-92V DC Power Supply	1 year
0231A84N	Main Control Unit for SR8802	JC141A	HP A8802 Main Control Unit Module	1 year
0231A84P	Dual Service Processing Board	JC142A	HP Dual Svc Processing Engine A8800 Mod	1 year
0231A88J	Net Analysis Service Processing Board	JC143A	HP A8800 Net Analysis Svc Processing Mod	1 year
0231A88K	NAT Processing Module	JC144A	HP A8800 NAT Processing Module	1 year
0231A94U	PIC-ET32G2L 32-Port E1/T1+2-Port Fiber GE	JC145A	HP 32p E1/T1 + 2p Fiber GbE A8800 Module	1 year
0231A98N	AC P/S 90-264V (Max 800W) for SR8802	JC146A	HP A8802 800W 90-264V DC Power Supply	1 year
0235A31B	H3C SR8802 10G Core Router Chassis	JC147A	HP A8802 Router Chassis	1 year
0235A0GC	H3C SR8802 10G Core Router Chassis	JC147B	HP A8802 Router Chassis	1 year
0235A0G8	H3C SR8805 10G Core Router Chassis	JC148B	HP A8805 Router Chassis	1 year
0235A0G9	H3C SR8808 10G Core Router Chassis	JC149B	HP A8808 Router Chassis	1 year
0235A0GA	H3C SR8812 10G Core Router Chassis	JC150B	HP A8812 Router Chassis	1 year
0404A076	CAB-E1-120ohm-15m-RJ45	JC151A	HP X260 E1 RJ45 120 ohm 15m Router Cable	n/a
0404A077	CAB-E1-120ohm-30m-RJ45	JC152A	HP X260 E1 RJ45 120 ohm 30m Router Cable	n/a

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0404A078	Extend-CAB-E1-10m-BNC	JC153A	HP X260 E1 BNC Extend 10m Router Cable	n/a
0404A079	Extend-CAB-E1-15m-BNC	JC154A	HP X260 E1 BNC Extend 15m Router Cable	n/a
0404A080	Extend-CAB-E1-20m-BNC	JC155A	HP X260 E1 BNC Extend 20m Router Cable	n/a
0404A09E	CAB-E1-120ohm-2m-RJ45	JC156A	HP X260 E1 RJ45 120 ohm 2m Router Cable	n/a
3130A19E	SR8800 Series Router Software	JC157A	HP A8800 Router Software License	n/a
0231A54H	8-Port Fractional T1 MIM Module	JC159A	HP 8-Port Fractional T1 MIM A6600 Module	1 year
0231A56X	8-Port T1 MIM Module	JC160A	HP 8-Port T1 MIM A6600 Module	1 year
0231A751	RT-HIM-1CPOS/STM1-H3	JC161A	HP 1-p OC-3 (E1/T1) CPOS HIM A6600 Mod	1 year
0231A752	RT-HIM-2CPOS/STM1-H3	JC162A	HP 2-p OC-3 (E1/T1) CPOS HIM A6600 Mod	1 year
0231A753	RT-HIM-4GBE-WAN-H3	JC163A	HP 4GBE-WAN HIM A6600 Module	1 year
0231A754	RT-HIM-8GBE-WAN-H3	JC164A	HP 8GBE-WAN HIM A6600 Module	1 year
0231A761	RT-SR66-RPE-X1-H3	JC165A	HP RPE-X1 A6600 Module	1 year
0231A762	RT-SR66-FIP-100-H3	JC166A	HP FIP-100 A6600 Module	1 year
0231A763	RT-SR66-FIP-200-H3	JC167A	HP FIP-200 A6600 Module	1 year
0231A87N	1-Port 10GBASE-R/W Ethernet Optical Interface Card (XFP)	JC168A	HP 1-Port 10-GbE XFP HIM A6600 Module	1 year
0231A87P	2-Port OC-3/STM-1 HIM	JC169A	HP 2-p OC-3 (E3/T3) CPOS HIM A6600 Mod	1 year
0231A87Q	1-Port OC-3/STM-1 HIM	JC170A	HP 1-p OC-3 (E3/T3) CPOS HIM A6600 Mod	1 year
0231A87R	4-Port GE Optical HIM (SFP)	JC171A	HP 4-Port GE SFP HIM A6600 Module	1 year
0231A87S	4-Port OC-3/2-Port OC-12 POS	JC172A	HP 4p OC-3/2p OC-12 POS HIM A6600 Module	1 year
0231A96A	2-Port OC-3/1-Port OC-12 POS	JC173A	HP 2p OC-3/1p OC-12 POS HIM A6600 Module	1 year
0231A96B	8-Port GE Optical HIM (SFP)	JC174A	HP 8-Port GbE SFP HIM A6600 Module	1 year
0231A99D	1-Port OC-3c/STM-1c ATM Interface Module (SFP)	JC175A	HP 1-Port OC-3c/STM-1c ATM HIM A6600 Mod	1 year
0235A27D	H3C SR6602 1U Router Host	JC176A	HP A6602 Router Chassis	1 year
0235A32X	RT-SR6608-OVS-H3	JC177A	HP A6608 Router	1 year
0235A37X	RT-SR6604-OVS-H3	JC178A	HP A6604 Router Chassis	1 year
0620A010	1GB DDR2 SDRAM FOR SR66	JC179A	HP A6600 1GB SDRAM	1 year
3130A19C	H3C SR6600 Router Software License (STD)	JC180A	HP A6600 Router Software License	n/a
3CRTPC46296E	Core Controller Base Chassis (48x1000Base-T, 6x10GbE)	JC182A	HP Core Cont 48x1000BT 6x10GbE Chassis	1 year
3CRTPDC210EC96E	TP 210E - DC	JC183A	HP S210E DC IPS-200Mbps-5x GT Segments & DOS	1 year
TPRN0010CAS96	TP10	JC184A	HP S10 IPS-20Mbps-2x Gig-T & integ. ZPHA	1 year
TPONPWRDCS96	POWER SUPPLY MODULE, 400W, DC	JC185A	HP 400W DC Power Supply Spare	1 year
TPRN0110CAS96	TP 110	JC186A	HP S110 IPS-100Mbps-4x Gig-T Segments	1 year
TPRN0330CAS96	TP 330	JC187A	HP S330 IPS-200Mbps-4x Gig-T Segments w/ ZPHA	1 year
TPRN0010PWS96	Power Adapter for TP10	JC188A	HP S10 Power Adapter	1 year
TPRN0010RKS96	TP 10 Rack Mount	JC189A	HP S10 Rack / Wall Mount Kit	n/a
TPRS1500CS96	SSL (A10) PRODUCT (FCS 02/10)	JC190A	HP S1500 SSL Appliance	1 year
TPOHBCUC96	Net-Optics Bi-Pass Switch	JC192A	HP Net Optics i-Bypass 1x copper segment	1 year
TPOHBITP296	Net Optics Rackmount Frame	JC194A	HP Net Optics Rackmount Frame	n/a
TPOHBITP2BP96	Net-Optics Blank Plate	JC195A	HP Net Optics Blank Plate	n/a
TPOCF1N-FRU	N-Platform Compact Flash	JC350A	HP N Family- IPS Compact Flash	n/a
TPR1200EC96	TipingPoint 1200E Intrusion Prevention System - (4) Copper 10/100/1000 Segments	JC351A	HP S1200E IPS-1.2Gbps-4x Gig-T Segments	1 year
TPR1200ECF96	TipingPoint 1200E Intrusion Prevention System - (2) Copper 10/100/1000 Segments and (2) Gigabit Fiber Segments	JC352A	HP S1200E IPS-1.2Gbps-2x Gig-T/2x 1G Fbr	1 year
TPR1200EF96	TipingPoint 1200E Intrusion Prevention System - (4) Gigabit Fiber Segments	JC353A	HP S1200E IPS-1.2Gbps-4x 1Gb Fiber Segments	1 year
TPR2400EC96	TipingPoint 2400E Intrusion Prevention System - (4) Copper 10/100/1000 Segments	JC354A	HP S2400E IPS-2Gbps-4x Gig-T Segments	1 year
TPR2400ECF96	TipingPoint 2400E Intrusion Prevention System - (2) Copper 10/100/1000 Segments and (2) Gigabit Fiber Segments	JC355A	HP S2400N IPS-2Gbps-2x Gig-T/2x 1Gb Fbr	1 year
TPR2400EF96	TipingPoint 2400E Intrusion Prevention System - (4) Gigabit Fiber Segments	JC356A	HP S2400E IPS-2Gbps-4x 1Gb Fiber Segments	1 year
TPR5000EC96	TipingPoint 5000E Intrusion Prevention System - (4) Copper 10/100/1000 Segments with Advanced DOS	JC357A	HP S5000E IPS-5Gbps-4x Gig-T w/DOS	1 year
TPR5000ECF96	TipingPoint 5000E Intrusion Prevention System - (2) Copper 10/100/1000 Segments and (2) Gigabit Fiber Segments with Advanced DOS	JC358A	HP S5000E IPS-5Gbps-2-GT/2-Gb Fbr w/DOS	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
TPR5000EF96	TippingPoint 5000E Intrusion Prevention System - (4) Gigabit Fiber Segments with Advanced DOS	JC359A	HP S5000E IPS-5Gbps-4x 1Gb Fiber w/DOS	1 year
TPR600EC96	TippingPoint 600E Intrusion Prevention System - (4) Copper 10/100/1000 Segments	JC360A	HP S600E IPS-600Mbps-4x Gig-T Segments	1 year
TPR600ECF96	TippingPoint 600E Intrusion Prevention System - (2) Copper 10/100/1000 Segments and (2) Gigabit Fiber Segments	JC361A	HP S600E IPS-600Mbps-2x Gig-T/2x 1Gb Fbr	1 year
TPR600EF96	TippingPoint 600E Intrusion Prevention System - (4) Gigabit Fiber Segments	JC362A	HP S600E IPS-600Mbps-4x 1Gb Fiber Segments	1 year
0231A812	S9500E 2-port 10G XFP Adv	JC470A	HP 2-p 10GBASE-X (XFP) Adv A9500 Mod	1 year
0231A876	S9500E 48-port SFP Advanced	JC471A	HP 48-p 1000BASE-X (SFP) Adv A9500 Mod	1 year
0231A67V	S95E/SR88 3500W DC Power Supply	JC473A	HP A9500/A8800 3500W DC Power Supply	1 year
0235A0GG	H3C S9508E-V Routing-Switch Chassis	JC474B	HP A9508-V Switch Chassis	1 year
0231A83F	S9508E-V Fan Assembly	JC475A	HP A9508-V Switch Fan Assembly	n/a
0231A0BU	32-Port 10GE-SFP+ LEC Module	JC476A	HP 32-port 10GbE SFP+ LEC A12500 Module	1 year
0231A76A	1-Port OC-3/STM-1 CPOS (E1/T1)+8-Port Fiber GE	JC477A	HP 1p OC-3/STM-1 CPOS/8p Fb GbE A8800 Md	1 year
0231A76B	2-Port OC-3/STM-1 CPOS (E1/T1)+8-Port Fiber GE	JC478A	HP 2p OC-3/STM-1 CPOS/8p Fb GbE A8800 Md	1 year
0231A84W	4-Port OC-3/STM-1 CPOS (E3/T3)+4-Port Fiber GE	JC479A	HP 4p OC-3/STM-1 CPOS/4p Fb GbE A8800 Md	1 year
0231A85C	1-Port OC-12/STM-4 CPOS (E3/T3)+4-Port Fiber GE	JC480A	HP 1p OC-12/STM-4CPOS/4p Fb GbE A8800 Md	1 year
0231A85H	1-Port OC-48/STM-16 CPOS (OC-3/STM-1)	JC481A	HP 1p OC-48/STM-16 CPOS (OC-3/STM-1) Mod	1 year
0231A85J	8-Port OC-3c/OC-12c POS/GE	JC482A	HP 8-port OC-3c/OC-12c POS/GE A8800 Mod	1 year
0231A825	2-Port OC-3c/STM-1c POS+6-Port GE	JC483A	HP 2p OC-3c/STM-1c POS /6p GbE A8800 Mod	1 year
0231A822	2-Port OC-12c/STM-4c POS+6-Port GE	JC484A	HP 2p OC-12c/STM-4c POS/6p GbE A8800 Mod	1 year
0231A826	2-Port OC-48c/STM-16c POS+4-Port GE	JC485A	HP 2p OC-48c/STM-16c POS/4p GbE A8800 Md	1 year
0231A821	4-Port OC-48c/STM-16c POS	JC486A	HP 4-port OC-48c/STM-16c POS A8800 Module	1 year
0231A828	1-Port OC-192c/STM-64c POS	JC487A	HP 1-port OC-192c/STM-64c POS A8800 Mod	1 year
0231A39J	2-Port OC-48c/STM-16c RPR	JC488A	HP 2-port OC-48c/STM-16c RPR A8800 Mod	1 year
0231A39K	1-Port OC-192c/STM-64c RPR	JC489A	HP 1-port OC-192c/STM-64c RPR A8800 Mod	1 year
0231A81Q	4-Port OC-3c/STM-1c ATM	JC490A	HP 4-port OC-3c/STM-1c ATM A8800 Module	1 year
0231A81R	1-Port OC-12c/STM-4c ATM	JC491A	HP 1-port OC-12c/STM-4c ATM A8800 Module	1 year
0231A0BM	H3C PSR650A, AC Power Supply, 650W, for SR6616	JC492A	HP 650W AC A6616 Power Supply	1 year
0231A0BL	H3C PSR650D, DC Power Supply, 650W, for SR6616	JC493A	HP 650W DC A6616 Power Supply	1 year
0231A87T	1-Port OC-48/STM-16 POS Interface Module (SFP)	JC494A	HP 1-p OC-48/STM-16 POS (SFP) A6600 Mod	1 year
0231A986	2-Port OC-3c/STM-1c ATM Interface Module (SFP)	JC495A	HP 2-p OC-3c/STM-1c ATM (SFP) A6600 Mod	1 year
0235A41D	H3C SR6616 Router Chassis	JC496A	HP A6616 Router Chassis	1 year
0231A984	Chassis Accessories only for SR6616 chassis	JC497A	HP A6616 Chassis Accessory Kit	n/a
0231A0HG	S12500 Power Monitor Module	JC502A	HP A12500 Power Monitor Module	1 year
3CRC2SHDC	VCX Connect 200 Sp Sec HD 9.0	JC503A	HP VCX Connect 200 Spare Secondary 9.0 HD	1 year
0235A0D6	3500 IP Phone	JC504A	HP 3500 IP Phone	1 year
0235A0D7	3500B IP Phone	JC505A	HP 3500B IP Phone	1 year
0235A0D8	3501 IP Phone	JC506A	HP 3501 IP Phone	1 year
0235A0D9	3502 IP Phone	JC507A	HP 3502 IP Phone	1 year
0235A0DA	3503 IP Phone	JC508A	HP 3503 IP Phone	1 year
0231A0EQ	IP Phone AC Adapter	JC509A	HP IP Phone AC Adapter	1 year
0231A0ER	IP Phone Wall Mount	JC510A	HP IP Phone Wall Mount Bracket	n/a
0231A0ES	IP Phone Stand/Bracket	JC511A	HP IP Phone Stand/Bracket	n/a
TPSMSEXP20	SMS Expansion License for 20 additional managed devices	JC512A	HP SMS additional 20-IPS System License	n/a
3CRV7005B-09	VCX V7005 Series DL120 G6 Srvr	JC516A	HP VCX V7005 Platform w/DL 120 G6 Server	1 year
3CRV7205B-09	VCX V7205 Series DL360 G6 Srvr	JC517A	HP VCX V7205 Platform w/DL 360 G6 Server	1 year
3CRC200C	VCX Connect 200 Prim DL120 G6	JC518A	HP VCX Connect 200 Primary 120 G6 Server	1 year
3CRC201C	VCX Connect 200 Sec DL120 G6	JC519A	HP VCX Connect 200 Secondary 120 G6 Server	1 year
3CRVHD7005C-09	VCX V7005 250G 3.5 HD FRU	JC520A	HP VCX V7005 250G 3.5 Spare Hard Drive	1 year
3CV35RD7005A	VCX V7005 250G 3.5 RAID Disk	JC521A	HP VCX V7005 250G 3.5 Spare RAID Disk	1 year
3CRVHD7205B-09	VCX V7205 146G 2.5 HD FRU	JC522A	HP VCX V7205 146G 2.5 Spare Hard Drive	1 year
3CV25RD7205A	VCX V7205 146G 2.5 RAID Disk	JC523A	HP VCX V7205 146G 2.5 Spare RAID Disk	1 year
3CRC3HDC	VCX Connect 200 Primary FRU	JC524A	HP VCX Connect 200 Spare Primary HD	1 year
3CRC3SHDC	VCX Connect 200 Secondary FRU	JC525A	HP VCX Connect 200 Spare Secondary HD	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
TPSB1200N75	SecBlade 1200N IPS Module for H3C S7500E	JC527A	HP S1200E IPS Module	1 year
TPRSMS2396	SMS Model H1	JC528A	HP SMS v2 Appliance w/25-IPS System License	1 year
TPRSMS2496	SMS Model H1HA	JC529A	HP SMS HA v2 Appliance w/25-IPS Sys License	1 year
TPRNVCONT96	n/a	JC531A	HP vController for VMware 1-proc SW License	n/a
0231A88R	S7500E Power Adapter	JC533A	HP A7500 Power Supply Power Frame (APJ)	n/a
3CRS48G-24-91	Switch 4800G 24-Port	JD007A	HP E4800-24G Switch	lifetime
3CRS48G-24P-91	Switch 4800G PWR 24-Port	JD008A	HP E4800-24G-PoE Switch	lifetime
3CRS48G-24S-91	Switch 4800G 24-Port SFP	JD009A	HP E4800-24G-SFP Switch	lifetime
3CRS48G-48-91	Switch 4800G 48-Port	JD010A	HP E4800-48G Switch	lifetime
3CRS48G-48P-91	Switch 4800G PWR 48-Port	JD011A	HP E4800-48G-PoE Switch	lifetime
3CAPMOUNT	Optional Drop-Ceiling Mount for 9550/9150 11n APs	JD012A	HP A95xx/A91xx AP Drop-Ceiling Mount	n/a
3CRWE776075	3Com Wireless 7760 11a/b/g PoE Access Point	JD015A	HP A7760 Single Radio 802.11a/b/g AP	3 year
3CRWE876075	3Com Wireless 8760 11a/b/g PoE Access Point	JD016A	HP A8760 Dual Radio 802.11a/b/g AP	3 year
3CRWE955275	AP9550 11n 2.4+5GH PoE Access Point	JD019A	HP A9552 Dual Radio 802.11n Access Point	1 year
3CBLUF26	3Com Baseline Switch 2026	JD020A	HP V1405-24-2G Switch	3 year
3CBLUG24A	3Com Baseline Switch 2824	JD022A	HP V1405-24G Switch	3 year
3CRBVCXMSR01A	MSR 3040 VCX Ent MIM Bundle	JD023A	HP MSR30-40 Router with VCX MIM Module	1 year
3CRBVCXMSR02A	MSR 3016 VCX Ent MIM Bundle	JD024A	HP MSR30-16 Router with VCX MIM Module	1 year
3CRBVCXMSR03A	MSR 3016 VCX CPM 4FXO/2FXS Bundle	JD025A	HP MSR30-16 Rtr w/VCX & 4FXO & 2FXS Mod	1 year
3CRBVCXMSR05A	MSR 3040 VCX CPM 8FXO/4FXS Bundle	JD026A	HP MSR30-40 Rtr w/VCX & 8FXO & 4FXS Mod	1 year
3CRBVCXMSR06A	MSR 3040 VCX CPM 8BRI/4FXS Bundle	JD027A	HP MSR30-40 Rtr w/VCX & 8BRI & 4FXS Mod	1 year
3CRBVCXMSR07A	MSR 3040 VCX CPM T1/4FXO/4FXS Bundle	JD028A	HP A-MSR30-40 Rtr w/ VCX,T1,FXO,FXS Mod	1 year
3CRBVCXMSR08A	MSR 3040 VCX CPM E1/4BRI/4FXS Bundle	JD029A	HP MSR30-40 Rtr w/VCX/E1/4BRI/4FXS Mod	1 year
3CRDAG675B	3Com Wireless 11a/b/g PCI Adapter	JD030A	HP 802.11a/b/g Wireless Client (PCI)	3 year
3CRUSBN275	3Com Wireless Dual Frequency 11n USB Adapter	JD039A	HP 802.11n Dual Hz Wireless Client (USB)	3 year
3CR990B-FX-97	3Com Secure Fiber NIC	JD042A	HP Secure Fiber NIC	lifetime
3CR990B-FXLP-97	3Com Secure Fiber NIC, Low Profile	JD043A	HP Secure Fiber NIC, Low Profile	lifetime
3CNJ1000	IntelliJack Gigabit Switch NJ1000	JD050A	HP NJ1000G IntelliJack	3 year
3CNJ1000-20	20-pack IntelliJack Gigabit Switch NJ1000	JD051A	HP NJ1000G IntelliJack 20-Pack	3 year
3CNJ1000L	NJ1000 w/ Lifetime Warranty	JD052A	HP NJ1000G IntelliJack w/Lifetime Warranty	lifetime
3CNJ1000L-20	20 Pack NJ1000L w/ Life Warranty	JD053A	HP NJ1000G IntelliJack w/Lftm Wnty 20-Pk	lifetime
3CNJ1000PSE	Single-port 802.3at Gigabit PoE Midspan	JD054A	HP Single-prt 802.3at Gig PoE Pwr Supply	1 year
3CNJ1000PSL	NJ1000/NJ2000 Local AC-to-DC 48V Power Supply	JD055B	HP Gigabit Intellijack 48V Power Supply	1 year
3CNJ1000STAND	Desktop Stand for NJ1000/NJ2000	JD056A	HP NJ1000/2000 Intellijack Desktop Stand	n/a
3CNJ2000	IntelliJack Gigabit Switch NJ2000	JD057A	HP NJ2000G IntelliJack	3 year
3CNJ2000-20	20-pack IntelliJack Gigabit Switch NJ2000	JD058A	HP NJ2000G IntelliJack 20-Pack	3 year
3CNJPSE-GIG	Single-port 802.3af Gigabit PoE misspend	JD059B	HP Single-prt 802.3af Gig PoE In-line PS	1 year
02312170	1000BASE-LH40 SFP SM 1310nm	JD061A	HP X125 1G SFP LC LH40 1310nm XCVR	1 year
02312172	1000BASE-LH40 SFP SM 1550nm	JD062A	HP X120 1G SFP LC LH40 1550nm XCVR	1 year
0231A0L3	1000BASE-LH70 SFP Transceiver, Single Mode (1550nm, 70km, LC)	JD063B	HP X125 1G SFP LC LH70 Transceiver	1 year
14130110	FC/PC-SC/PC-3mm-15m SM	JD065A	HP X280 3mm SM FC-SC 15m Fiber Cable	n/a
14130126	SC/PC-SC/PC-3mm-15m SM	JD066A	HP X280 3mm SM SC-SC 15m Fiber Cable	n/a
14130127	SC/PC-SC/PC-3mm-15m MM	JD067A	HP X280 3mm MM SC-SC 15m Fiber Cable	n/a
14130153	FC/PC-SC/PC-3mm-10m MM	JD068A	HP X280 3mm MM FC-SC 10m Fiber Cable	n/a
14130156	SC/PC-SC/PC-3mm-5m MM	JD069A	HP X280 3mm MM SC-SC 5m Fiber Cable	n/a
14130165	MTRJ-2SC/PC-2mm-10m SM	JD070A	HP X280 2mm SM MTRJ-2SC 10m Fiber Cable	n/a
14130193	LC/PC-SC/PC-2mm-5m SM	JD073A	HP X280 2mm SM LC-SC 5m Fiber Cable	n/a
14130195	LC/PC-LC/PC-2mm-5m SM	JD074A	HP X280 2mm SM LC-LC 5m Fiber Cable	n/a
14130199	LC/PC-LC/PC-2mm-10m SM	JD075A	HP X280 2mm SM LC-LC 10m Fiber Cable	n/a
14130246	LC/PC-LC/PC-2mm-3m SM	JD076A	HP X280 2mm SM LC-LC 3m Fiber Cable	n/a
14130255	LC/PC-LC/PC-0.9mm-3m SM	JD078A	HP X280 0.9mm SM LC-LC 3m Fiber Cable	n/a
14130279	LC/PC-SC/PC-2mm-20m MM	JD079A	HP X280 2mm MM LC-SC 20m Fiber Cable	n/a
14130296	LC/PC-LC/PC-2mm-5m MM	JD080A	HP X280 2mm MM LC-LC 5m Fiber Cable	n/a
14130297	LC/PC-LC/PC-2mm-3m MM	JD081A	HP X280 2mm MM LC-LC 3m Fiber Cable	n/a
14130311	LC/PC-SC/PC-2mm-50m MM	JD082A	HP X280 2mm MM LC-SC 50m Fiber Cable	n/a
0231A03W	H3C 10GBASE-ER XFP	JD083A	HP X134 10G XFP LC ER Transceiver	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0231A03X	H3C OC-48c (2.5G) POS SFP Module, Single Mode (1310nm, 2km, LC)	JD084A	HP X160 2.5G SFP LC 2km Transceiver	1 year
0231A03Y	H3C OC-48c (2.5G) POS SFP Module, Single Mode (1310nm, 15km, LC)	JD085A	HP X160 2.5G SFP LC 15km Transceiver	1 year
0231A04A	H3C OC-48c (2.5G) POS SFP Module, Single Mode (1310nm, 40km, LC)	JD086A	HP X160 2.5G SFP LC 40km Transceiver	1 year
0231A04B	H3C OC-48c (2.5G) POS SFP Module, Single Mode (1550nm, 80km, LC)	JD087A	HP X160 2.5G SFP LC 80km Transceiver	1 year
0231A04G	H3C OC-192c (10G) POS XFP Module, Single Mode (1310nm, 10km, LC)	JD088A	HP X130 10G XFP LC LR Transceiver	1 year
0231A0LR	1000BASE-T SFP	JD089B	HP X120 1G SFP RJ45 T Transceiver	1 year
0231A089	H3C 100BASE-LH40 SFP	JD090A	HP X110 100M SFP LC LH40 Transceiver	1 year
0231A090	H3C 100BASE-LH80 SFP	JD091A	HP X110 100M SFP LC LH80 Transceiver	1 year
0231A0LG	SFP+ Module (850nm,300m,LC)	JD092B	HP X130 10G SFP+ LC SR Transceiver	1 year
0231A0LW	SFP+ Module (1310nm,220m,LC)	JD093B	HP X130 10G SFP+ LC LRM Transceiver	1 year
0231A0LJ	SFP+ Module (1310nm,10km,LC)	JD094B	HP X130 10G SFP+ LC LR Transceiver	1 year
0231A0LM	SFP+ Cable 0.65m	JD095B	HP X240 10G SFP+ SFP+ 0.65m DA Cable	1 year
0231A0L7	SFP+ Cable 1.2m	JD096B	HP X240 10G SFP+ SFP+ 1.2m DA Cable	1 year
0231A0KM	SFP+ Cable 3m	JD097B	HP X240 10G SFP+ SFP+ 3m DA Cable	1 year
0231A0LF	1000BASE-LX BIDI SFP Transceiver, Single Mode (TX1310/RX1490, 10km, LC)	JD098B	HP X120 1G SFP LC BX 10-U Transceiver	1 year
0231A0LC	1000BASE-LX BIDI SFP Transceiver, Single Mode (TX1490/RX1310, 10km, LC)	JD099B	HP X120 1G SFP LC BX 10-D Transceiver	1 year
0231A12T	H3C 100BASE-BX10-U SFP	JD100A	HP X110 100M SFP LC BX 10-U Transceiver	1 year
0231A12U	H3C 100BASE-BX10-D SFP	JD101A	HP X110 100M SFP LC BX 10-D Transceiver	1 year
0231A0LP	100BASE-FX SFP Transceiver, Multi-Mode (1310nm, 2km, LC)	JD102B	HP X110 100M SFP LC FX Transceiver	1 year
0231A321	H3C 1000BASE-LH100 SFP	JD103A	HP X120 1G SFP LC LH100 Transceiver	1 year
0231A324	H3C 10GBASE-ER XENPAK	JD105A	HP X130 10G XENPAK SC ER Transceiver	1 year
0231A0L2	10GBASE-SR XENPAK Module, Multi-Mode (850nm, 300m, SC)	JD106B	HP X130 10G XENPAK SC SR Transceiver	1 year
0231A41G	H3C 10GBASE-ZR XFP	JD107A	HP X130 10G XFP SC ZR Transceiver	1 year
0231A0LD	10GBASE-LR/LW XFP Module, Single Mode (1310nm, 10km, LC)	JD108B	HP X130 10G XFP SC LR Transceiver	1 year
0231A449	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1550nm, 70km, LC)	JD109A	HP X170 1G SFP LC LH70 1550 Transceiver	1 year
0231A450	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1570nm, 70km, LC)	JD110A	HP X170 1G SFP LC LH70 1570 Transceiver	1 year
0231A451	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1590nm, 70km, LC)	JD111A	HP X170 1G SFP LC LH70 1590 Transceiver	1 year
0231A452	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1610nm, 70km, LC)	JD112A	HP X170 1G SFP LC LH70 1610 Transceiver	1 year
0231A453	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1470nm, 70km, LC)	JD113A	HP X170 1G SFP LC LH70 1470 Transceiver	1 year
0231A454	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1490nm, 70km, LC)	JD114A	HP X170 1G SFP LC LH70 1490 Transceiver	1 year
0231A455	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1510nm, 70km, LC)	JD115A	HP X170 1G SFP LC LH70 1510 Transceiver	1 year
0231A456	H3C 1000BASE-LH70 CWDM SFP Transceiver, Single Mode (1530nm, 70km, LC)	JD116A	HP X170 1G SFP LC LH70 1530 Transceiver	1 year
0231A0LT	10GBASE-SR XFP Module, Multi-Mode (850nm, 300m, LC)	JD117B	HP X130 10G XFP LC SR Transceiver	1 year
0231A0LQ	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)	JD118B	HP X120 1G SFP LC SX Transceiver	1 year
0231A0LS	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)	JD119B	HP X120 1G SFP LC LX Transceiver	1 year
0231A0LU	100BASE-LX SFP Transceiver, Single Mode (1310nm, 15km, LC)	JD120B	HP X110 100M SFP LC LX Transceiver	1 year
0231A72X	H3C 10GBASE-ER XFP	JD121A	HP X135 10G XFP LC ER Transceiver	1 year
0231A84D	EPON GE-PX20-SM SFP	JD122A	HP EPON GE-PX20-SM SFP Module	1 year
4512A000	MCP-2LC/PC-2LC/PC-1.5-S/M	JD123A	HP X120 LC Mode Conditioning Patch Cable	n/a
4512A001	MCP-2SC/PC-2SC/PC-1.5-S/M	JD124A	HP X120 SC Mode Conditioning Patch Cable	n/a
0404A02M	CAB-HDSL-2.5m-RJ11	JD173A	HP X200 RJ11 2.5m HDSL Cable	n/a
0404A034	CAB-HDSL-2.5m-2*RJ11	JD174A	HP X200 2*RJ11 2.5m HDSL Cable	n/a
04026106	CAB-E1/2*BNC-75-3m	JD175A	HP X260 E1 2*BNC 75 ohm 3m Router Cable	n/a
0213A02R	H3C RPS 800 A Redundant Power System	JD183A	HP RPS 800 A Redundant Power Supply	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0404A03C	H3C RPS 500 A3 Power Cable C, 1m	JD184A	HP X290 500 C 1m RPS Cable	n/a
0404A03U	H3C RPS 500 A3 Power Cable U, 1m	JD185A	HP X290 500 U 1m RPS Cable	n/a
0404A03V	H3C RPS 500 A3 Power Cable V, 1m	JD186A	HP X290 500 V 1m RPS Cable	n/a
0404A053	H3C RPS 1000 Power Cable A with JD5 type connector, 2m	JD187A	HP X290 1000 A JD5 2m RPS Cable	n/a
0404A054	H3C RPS 1000 Power Cable with JD5-A type connector, 2m	JD188A	HP X290 1000 A JD5 Non-PoE 2m RPS Cable	n/a
0404A055	H3C RPS 1000 Power Cable B with JD5 type connector, 2m	JD189A	HP X290 1000 B JD5 2m RPS Cable	n/a
0404A08G	H3C RPS 500 / 800 Power Cable, 1m	JD190A	HP X290 500/800 1m RPS Cable	n/a
0231A0AE	S75E/S79E 8-port 10GBASE-X (XFP) Extended	JD191A	HP 8-Port 10-GbE XFP Ext A7500 Module	1 year
0231A0L4	DIMM for PoE Master and Slave Power Management	JD192B	HP PoE DIMM A7500 Module	n/a
0231A0KW	H3C S7500E Saliency VI-10G Switch and Route Processing Unit, with 2 XFP Interfaces	JD193B	HP 384 Gbps A7500 Fab Mod w/2 XFP Ports	1 year
0231A0KQ	H3C S7500E Saliency VI Switch and Route Processing Unit	JD194B	HP 384 Gbps Fabric A7500 Module	1 year
0231A73L	H3C S7500E 384 Gbps Fabric Advanced	JD195A	HP 384 Gbps A7500 Advanced Fabric Module	1 year
0231A73S	H3C S7502E Management Module	JD196A	HP A7502 Management Module	1 year
0231A0KY	H3C S7500E 48-Port 100BASE-FX Ethernet Optical Interface Module, SFP Req.	JD197B	HP 48-Port 100Base-FX A7500 Module	1 year
0231A0KT	H3C S7500E 48-Port 10/100BASE-TX Ethernet Interface Module(RJ45),Upgradeable to PoE	JD198B	HP 48-Port 10/100Base-T A7500 Module	1 year
0231A0L1	H3C S7500E 48-Port 10/100/1000BASE-TX Ethernet Interface Module(RJ45),Upgradeable to PoE	JD199B	HP 48p Gig-T PoE-ready A7500 Module	1 year
0231A76P	S75E/S79E 1-port 10GBASE-X (XFP) Advanced	JD200A	HP 1-Port 1/10-GbE XFP A7500 Module	1 year
0231A76Q	S75E/S79E 2-Port 10GBASE-X (XFP)	JD201A	HP 2-Port 10-GbE XFP A7500 Module	1 year
0231A76R	S75E/S79E 12-Port 1000BASE-X (SFP) Advanced	JD202A	HP 12-Port GbE SFP Adv A7500 Module	1 year
0231A0L8	H3C S7500E 24-Port 1000BASE-X/100BASE-FX Ethernet Optical Interface Module, SFP Req.	JD203B	HP 24-Port GbE SFP A7500 Module	1 year
0231A0L9	H3C S7500E 24-Port 10/100/1000BASE-T Ethernet Interface Module, RJ45	JD204B	HP 24-Port Gig-T A7500 Module	1 year
0231A76U	S75E/S79E 2-port 10GBASE-X (XFP) + 24-Port 1000BASE-X (SFP)	JD205A	HP 24p GbE SFP/2p 10-GbE SFP A7500 Mod	1 year
0231A76V	S75E/S79E 2-port 10GBASE-X (XFP) + 24-Port BT (RJ45)	JD206A	HP 24p Gig-T/2p 10-GbE SFP A7500 Module	1 year
0231A79J	S75E/S79E 12-Port 1000BASE-X (SFP)	JD207A	HP 12-Port GbE SFP A7500 Module	1 year
0231A79P	S75E/S79E 1400W DC PS	JD208A	HP A7500 1400W DC Power Supply	1 year
0231A79S	S75E/S79E 650W DC PS	JD209A	HP A7500 650W DC Power Supply	1 year
0231A80H	S75E/S79E 48-Port 10/100/1000BASE-T (RJ45) , PoE ready	JD210A	HP 48-Port Gig-T A7500 Module	1 year
0231A0LA	H3C S7500E 48-Port 1000BASE-X/100BASE-FX Ethernet Optical Interface Module, SFP Req.	JD211B	HP 48-Port GbE SFP A7500 Module	1 year
0231A81A	S7503E/S7903E Fan Assy. (spare)	JD212A	HP A7503 Spare Fan Assembly	1 year
0231A81B	S7502E/S7902E Fan Assy. (spare)	JD213A	HP A7502 Spare Fan Assembly	1 year
0231A81C	S7506E/S7906E Fan Assy. (spare)	JD214A	HP A7506 Spare Fan Assembly	1 year
0231A81D	S7506E-V/S7906E-V Fan Assy. (spare)	JD215A	HP A7506V Spare Fan Assembly	1 year
0231A81E	S7510E/S7910E Fan Assy. (spare)	JD216A	HP A7510 Spare Fan Assembly	1 year
0231A81J	S75E/S79E 650W AC PS	JD217A	HP A7500 650W AC Power Supply	1 year
0231A81W	S75E/S79E 1400W AC PS	JD218A	HP A7500 1400W AC Power Supply	1 year
0231A820	S75E/S79E 2800W AC PS	JD219A	HP A7500 2800W AC Power Supply	1 year
0231A86P	H3C S7510E 768 Gbps Fabric	JD220A	HP 768 Gbps A75010 Fabric Module	1 year
0231A889	S75E/S79E 48-port 1000BASE-X (SFP) Enhanced	JD221A	HP 48-Port GbE SFP Enh A7500 Module	1 year
0231A90E	H3C S7503E-S Fabric w/ 24-port 1000BASE-X (SFP)	JD222A	HP A7503 Fabric Module with 24 GbE Ports	1 year
0231A90F	S75E/S79E 24-Port 1000BASE-X (SFP) w/ 8 Combo	JD223A	HP 24-Port GbE SFP A7500 Module 8 Combo	1 year
0231A90L	H3C S7500E 384 Gbps Fabric w/ 12 1000BASE-X (SFP)	JD224A	HP 384 Gbps A7500 Fab Mod w/12 SFP Ports	1 year
0231A919	S7502E/S7902E 300W DC PS	JD225A	HP A7502 300W DC Power Supply	1 year
0231A91D	S7502E/S7902E 300W AC PS	JD226A	HP A7502 300W AC Power Supply	1 year
0231A91H	S75E/S79E 6000W AC PS	JD227A	HP A7500 6000W AC Power Supply	1 year
0231A0KR	H3C S7500E,40-Port 10/100/1000BASE-T Electrical(RJ45) And 8-Port 1000BASE-X/100BASE-FX Optical Ethernet Interface Module, SFP Req, PoE	JD228B	HP 40p G-T/8p SFP PoE-rdy A7500 Module	1 year
0231A0L0	H3C S7500E 48-Port 10/100/1000BASE-T Ethernet Interface Module(RJ45),PoE Plus	JD229B	HP 48p Gig-T PoE+ Ext A7500 Module	1 year
0231A971	S75E/S79E 2-port 10GBASE-X (XFP) Extended + 24-port SFP	JD230A	HP 24p GbE-S/2p 10-GbE-X Ext A7500 Mod	1 year
0231A972	S75E/S79E 24-port 1000BASE-X (SFP) Enhanced w/ 8 Combo	JD231A	HP 24-Port GbE SFP Enh A7500 Module	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0231A973	S75E/S79E 4-port 10GBASE-X (XFP) Enhanced	JD232A	HP 4-Port 10-GbE XFP Enh A7500 Module	1 year
0231A974	S75E/S79E 2-port 10GBASE-X (XFP) Enhanced	JD233A	HP 2-Port 10-GbE XFP Enh A7500 Module	1 year
0231A975	S75E/S79E 24-port 1000BASE-X (SFP) Extended w/ 8 Combo	JD234A	HP 24-Port GbE SFP Ext A7500 Module	1 year
0231A977	S75E/S79E 4-port 10GBASE-X (XFP) Extended	JD235A	HP 4-Port 10-GbE XFP Ext A7500 Module	1 year
0231A978	S75E/S79E 2-port 10GBASE-X (XFP) Extended	JD236A	HP 2-Port 10-GbE XFP Ext A7500 Module	1 year
0231A99M	S75E/S79E 48-port 1000BASE-X (SFP) Extended	JD237A	HP 48-Port GbE SFP Ext A7500 Module	1 year
0235A0G0	H3C S7510E Ethernet Switch Chassis with Fan	JD238B	HP A7510 Switch Chassis	1 year
0235A0G1	H3C S7506E Ethernet Switch Chassis with Fan	JD239B	HP A7506 Switch Chassis	1 year
0235A0G2	H3C S7503E Ethernet Switch Chassis with Fan	JD240B	HP A7503 Switch Chassis	1 year
0235A0G3	H3C S7506E-V Ethernet Switch Chassis with Fan	JD241B	HP A7506 Vertical Switch Chassis	1 year
0235A0G4	H3C S7502E Ethernet Switch Chassis with Fan	JD242B	HP A7502 Switch Chassis	1 year
0235A0G5	H3C S7503E-S Ethernet Switch Chassis with Fan	JD243B	HP A7503 Switch Chassis w/1 Fabric Slot	1 year
0231A0AV	S9500E SecBlade VPN Firewall Module	JD245A	HP A9500 VPN Firewall Module	1 year
0231A0AW	S9500E SecBlade NetStream Monitoring Module	JD246A	HP A9500 NetStream Monitoring Module	1 year
0231A0AY	S9500E SecBlade Load Balancer Module	JD247A	HP A9500 Load Balancing Module	1 year
0231A832	S7500E SecBlade VPN Firewall Module	JD249A	HP A7500 Advanced VPN Firewall Module	1 year
0231A88A	H3C SR66 Gigabit Firewall Module	JD250A	HP A6600 Firewall Processing Module	1 year
0231A88L	SR88 Firewall Processing Module	JD251A	HP A8800 Firewall Processing Module	1 year
0231A90N	S7500E SecBlade Load Balancer Module	JD252A	HP A7500 Load Balancing Module	1 year
0231A93P	S7500E SecBlade SSL VPN Module	JD253A	HP A7500 SSL VPN Module w/500-User License	n/a
0231A942	S7500E SecBlade NetStream Monitoring Module	JD254A	HP A7500 NetStream Monitoring Module	1 year
0231A94J	S5820 SecBlade VPN Firewall Module	JD255A	HP A5820 VPN Firewall Module	1 year
3130A27M	S7500E SecBlade SSL VPN 1000 User License	JD257A	HP A7500 SSL VPN 1000-User License	n/a
3130A27P	S7500E SecBlade SSL VPN 5000 User License	JD258A	HP A7500 SSL VPN 5000-User License	n/a
0231A54C	2-Port 1000BASE-X SFP-LC	JD261A	HP S1000-S/A 2-Port 1000-X Module	1 year
0231A54W	SecPath VPN FW SSL VPN Module	JD262A	HP S1000-A or S1000-S/A SSL VPN Module	1 year
0231A84X	SecPath F5000-A5 12-port Gigabit Module	JD263A	HP S5000-A5 VPN 12-Port GbE Module	1 year
0231A84Y	SecPath F5000-A5 2-Port 10 Gigabit Module	JD264A	HP S5000-A5 VPN 2-Port 10-GbE Module	1 year
0231A91N	SecPath U200-S 2-Port GE Module	JD265A	HP S200-S 2-Port Gig-T Module	1 year
0231A94X	SecPath U200-M/A 2-Port GE Module	JD266A	HP S200-M/A 2-Port Gig-T Module	1 year
0231A96Y	SecPath U200-M/A 4-Port Gigabit SFP Module	JD267A	HP S200-M/A 1000-X 4-Port Module	1 year
0235A0CT	SecPath U200-CS	JD268A	HP S200-CS UTM Appliance	1 year
0235A11L	F100-A VPN Firewall	JD269A	HP S100-A VPN Firewall Module	1 year
0235A11Q	F1000-S VPN Firewall	JD270A	HP S1000-S VPN Firewall Appliance	1 year
0235A12V	F1000-A VPN Firewall	JD271A	HP S1000-A VPN Firewall Appliance	1 year
0235A26G	F1000-E VPN Firewall	JD272A	HP S1000-E VPN Firewall Appliance	1 year
0235A36N	SecPath U200-S	JD273A	HP S200-S UTM Appliance	1 year
0235A36P	SecPath U200-M	JD274A	HP S200-M UTM Appliance	1 year
0235A36Q	SecPath U200-A	JD275A	HP S200-A UTM Appliance	1 year
0601A001	CF 1G	JD276A	HP S200 1G Compact Flash	1 year
0601A003	CF 512M	JD277A	HP S200 512M Compact Flash	1 year
0601A004	256Mb Compact Flash	JD278A	HP S200 256M Compact Flash	1 year
0231A0A5	SecCenter Firewall Manager	JD295A	HP Firewall Manager	n/a
0231A95M	SecCenter UTM Manager	JD297A	HP UTM Manager	n/a
0231A65Q	1-Port 10/100/1000BT Interface Module for S3100-SI	JD298A	HP 1 Port Gig-T 3100 SI Module	lifetime
0231A65V	1-Port 1000BASE-LX SM Optical Module 1310nm, 10km, SC for S3100C-SI	JD299A	HP 1 Port Gig-LX SC 3100 SI Module	lifetime
0231A65W	1-Port 1000BASE-SX MM Optical Module 850nm, 500m, SC for S3100C-SI	JD300A	HP 1 Port Gig-SX SC 3100 SI Module	lifetime
0231A65X	S3100 1PT 100M POE Int Mod	JD301A	HP 1-Port 10/100Base-T POE 3100 SI Mod	lifetime
0235A15B	H3C S3100-8T-SI - model LS-S3100-8T-SI-AC-OVS	JD304A	HP A3100-8 SI Switch	lifetime
0235A15C	H3C S3100-16T-SI - model LS-S3100-16T-SI-AC-OVS	JD305A	HP A3100-16 SI Switch	lifetime
0235A15D	H3C S3100-26T-SI - model LS-S3100-26T-SI-AC-OVS	JD306A	HP A3100-24 SI Switch	lifetime
0235A15G	H3C S3100-16C-SI - model LS-S3100-16C-SI-AC-OVS	JD308A	HP A3100-16 SI Switch w 2 Ext Mod Slots	lifetime
0235A15H	H3C S3100-26C-SI - model LS-S3100-26C-SI-AC-OVS	JD309A	HP A3100-24 SI Switch with 2 Slots	lifetime
0235A19B	H3C S3100-8TP-PWR-EI - model LS-3100-8TP-PWR-EI-H3	JD311A	HP A3100-8-PoE EI Switch	lifetime

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0235A19C	H3C S3100-16TP-PWR-EI - model LS-3100-16TP-PWR-EI-H3	JD312A	HP A3100-16-PoE EI Switch	lifetime
0235A19D	H3C S3100-26TP-PWR-EI - model LS-3100-26TP-PWR-EI-H3	JD313A	HP A3100-24-PoE EI Switch	lifetime
0235A23H	H3C S3100-16TP-EI - model LS-3100-16TP-EI-H3-D-O	JD314A	HP A3100-16 DC EI Switch	lifetime
0235A23P	H3C S3100-26TP-EI - model LS-3100-26TP-EI-H3-D-O	JD315A	HP A3100-24 DC EI Switch	lifetime
0235A23T	H3C S3100-8TP-EI - model LS-3100-8TP-EI-H3-D-O	JD316A	HP A3100-8 DC EI Switch	lifetime
0235A248	H3C S3100-52P - model LS-3100-52P-OVS-H3	JD317A	HP A3100-48 Switch	lifetime
0235A29Y	H3C S3100-8TP-EI - model LS-3100-8TP-EI-H3-A-O	JD318A	HP A3100-8 EI Switch	lifetime
0235A300	H3C S3100-16TP-EI - model LS-3100-16TP-EI-H3-A-O	JD319A	HP A3100-16 EI Switch	lifetime
0235A301	H3C S3100-26TP-EI - model LS-3100-26TP-EI-H3-A-O	JD320A	HP A3100-24 EI Switch	lifetime
2150A01A	Rack Mount for 3Com 4210 18-Port	JD321A	HP A3100/E4210-16 Rack Mount Kit	n/a
2150A025	Rack Mount for 3Com 4210 9-Port	JD322A	HP A3100/E4210-9 Rack Mount Kit	n/a
2150A026	Rack mount for 3Com 4210 PWR 9/18-Port	JD323A	HP A3100/E4210-16/-8 POE Rack Mount Kit	n/a
0231A0KP	SFP Stacking Cable (150cm, including two 1000BASE-T SFP module and one stacking cable)	JD324B	HP A3600 Switch SFP Stacking Kit	n/a
0235A10B	H3C S3600-28P-PWR-SI - model LS-3600-28P-PWR-SI-OVS	JD325A	HP A3600-24-PoE SI Switch	lifetime
0235A10C	H3C S3600-28P-PWR-EI - model LS-3600-28P-PWR-EI-OVS	JD326A	HP A3600-24-PoE EI Switch	lifetime
0235A10D	H3C S3600-52P-PWR-SI - model LS-3600-52P-PWR-SI-OVS	JD327A	HP A3600-48-PoE SI Switch	lifetime
0235A10E	H3C S3600-52P-PWR-EI - model LS-3600-52P-PWR-EI-OVS	JD328A	HP A3600-48-PoE EI Switch	lifetime
0235A10F	H3C S3600-28TP-SI - model LS-3600-28TP-SI-OVS	JD329A	HP A3600-24TP SI Switch	lifetime
0235A10G	H3C S3600-28P-SI - model LS-3600-28P-SI-OVS	JD330A	HP A3600-24 SI Switch	lifetime
0235A10H	H3C S3600-28P-EI - model LS-3600-28P-EI-OVS	JD331A	HP A3600-24 EI Switch	lifetime
0235A10J	H3C S3600-52P-SI - model LS-3600-52P-SI-OVS	JD332A	HP A3600-48 SI Switch	lifetime
0235A10K	H3C S3600-52P-EI - model LS-3600-52P-EI-OVS	JD333A	HP A3600-48 EI Switch	lifetime
0235A10L	H3C S3600-28F-EI - model LS-3600-28F-EI-OVS	JD334A	HP A3600-24-SFP EI Switch	lifetime
0235A22C	H3C S3610-52P - model LS-3610-52P-OVS	JD335A	HP A3610-48 Switch	lifetime
0235A22D	H3C S3610-28P - model LS-3610-28P-OVS	JD336A	HP A3610-24 with 4 SPF Ports	lifetime
0235A22E	H3C S3610-28TP - model LS-3610-28TP-OVS	JD337A	HP A3610-24 with 2 GigT and 2 SPF Ports	lifetime
0235A22F	H3C S3610-28F - model LS-3610-28F-OVS	JD338A	HP A3610-24-SFP Switch	lifetime
0231A39S	H3C S5100 1-port 10GE XFP Interface Module - model LS5M1XP1PB	JD339A	HP 1-Port 10-GbE XFP A5100 Module	lifetime
0231A39W	CX4 Cable (50cm) - Stacking/IB/SAS	JD341A	HP X230 SIS 50cm CX4 Cable	n/a
0231A0KX	H3C S5500 2-port 10GE XFP Interface Module, XFP Req.	JD359B	HP 2-Port 10-GbE XFP A5500 Module	lifetime
0231A0LV	H3C S5500 2-Port 10GE Ethernet Local Connection Module	JD360B	HP 2-Port 10-GbE A5500 Local Conn Module	lifetime
0231A0L6	H3C S5500 1-port 10GE XFP Interface Module, XFP Req.	JD361B	HP 1-Port 10-GbE XFP A5500 Module	lifetime
0231A66A	150W AC Power Supply Module	JD362A	HP A5500 150WAC Power Supply	1 year
0231A0LH	H3C S5500-SI Local Connection CX4 Cable 50cm	JD363B	HP X230 Local Connect 50cm CX4 Cable	n/a
0231A0KN	H3C S5500-SI Local Connection CX4 Cable 100cm	JD364B	HP X230 Local Connect 100cm CX4 Cable	n/a
0231A72F	H3C S5500 Local Connection CX4 Cable 300cm - model LSPM2STKC	JD365A	HP X230 Local Connect CX4 300cm Cable	n/a
0231A73P	150W DC Power Supply Module	JD366A	HP A5500 150WDC Power Supply	1 year
0231A833	H3C S5500-EI / 3Com Switch 4800G 2-Port Gigabit Module (SFP)	JD367A	HP 2-Port GbE SFP A5500/E4800 Module	lifetime
0231A0LL	H3C S5500 2-Port 10GE Ethernet SFP Plus Interface Board	JD368B	HP 2p 10-GbE SFP+ A5500/E4800/E4500 Mod	lifetime
0235A04U	H3C S5500-28C-SI, Ethernet Switch	JD369A	HP A5500-24G SI Switch	lifetime
0235A04V	H3C S5500-52C-SI, Ethernet Switch	JD370A	HP A5500-48G SI Switch	lifetime
0235A05H	H3C S5500-28C-PWR-SI, Ethernet Switch	JD371A	HP A5500-24G-PoE SI Switch	lifetime
0235A05J	H3C S5500-52C-PWR-SI, Ethernet Switch	JD372A	HP A5500-48G-PoE SI Switch	lifetime
0235A24S	H3C S5500-28C-EI-DC, Ethernet Switch	JD373A	HP A5500-24G DC EI Switch	lifetime
0235A24U	H3C S5500-28F-EI, Eth Switch, AC Single	JD374A	HP A5500-24G-SFP EI Switch	lifetime
0235A24X	H3C S5500-52C-EI, Ethernet Switch	JD375A	HP A5500-48G EI Switch	lifetime
0235A251	H3C S5500-52C-PWR-EI, Ethernet Switch	JD376A	HP A5500-48G-PoE EI Switch	lifetime
0235A253	H3C S5500-28C-EI, Ethernet Switch	JD377A	HP A5500-24G EI Switch	lifetime
0235A255	H3C S5500-28C-PWR-EI, Ethernet Switch	JD378A	HP A5500-24G-PoE EI Switch	lifetime
0235A259	H3C S5500-28F-EI, Eth Switch, DC Single Pwr	JD379A	HP A5500-24G-SFP DC EI Switch	lifetime
4501A002	S7500 1:2 SMF Splitter	JD427A	HP S7500 1:2 SMF Splitter	n/a
0231A0NK	RT-MPUF-H3	JD428B	HP A-MSR50 Main Processing Unit	1 year
0231A0KL	H3C MSR 50 High Performance Main Processing Unit, 3GE (Combo), 256F/1GD	JD429B	HP MSR50 G2 Processor Module	1 year
0231A85D	MSR 50 Multi-Service Module for G2 Engine	JD430A	HP A-MSR50 G2 Multi-Service Module	1 year

\*Lifetime warranty for as long as you own the product.



# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0235A0A7	MSR 20-10	JD431A	HP A-MSR20-10 Multi-Service Router	1 year
0235A297	MSR 50-40 ROUTER.	JD433A	HP A-MSR50-40 Multi-Service Router	1 year
3130A15D	LIS-MSR50-STANDARD-H3	JD434A	HP A-MSR50 Router Software License	n/a
0231A81K	Wireless Access Controller S7500E/S7900E	JD440A	HP A7500/A7900 Access Controller Module	1 year
0231A94G	AC_Blade_S5800_64-256	JD441A	HP A5800 ACM for 64-256 APs	lifetime
0231A97V	AC_Blade_S9500E_128-640	JD442A	HP A9500 ACM for 128-640 APs	1 year
0231A98V	AC_Blade_S5800_32-64	JD443A	HP A5800 ACM for 32-64 APs	lifetime
0235A0AS	WX3008, 4 POE+	JD444A	HP A3000-8G-PPoE+ Wireless Switch	1 year
0235A0CD	WA2612 Single Radio 11n 2.4/5G	JD445A	HP A-WA2612 Single Radio 802.11n AP	1 year
0235A0GB	H3C WA2110-AG Wireless LAN AG Dual Mode Single-Radio Managed Access Point, FIT	JD446B	HP A-WA2110 Single Radio 802.11a/b/g AP	1 year
0235A0GP	EWP-WX5002V2-OVS-H3	JD447B	HP A-WX5002 Access Controller	lifetime
0235A0GD	H3C WX5004,4-Port 1000BASE-X/1000BASE-T (Combo) Access Controller	JD448B	HP A-WX5004 Access Controller	1 year
0235A37T	WX3024,4SFPCCombo+Slot+PoEPlus	JD449A	HP A3000-24G-PoE+ Wireless Switch	1 year
0235A37U	WX3010,8 PoE Plus	JD450A	HP A3000-8G-PoE+ Wireless Switch	1 year
0235A40N	WA2220-AG_IndoorDual Band	JD451A	HP A-WA2220 Dual Radio 802.11a/b/g AP	1 year
0235A42L	WA2610E-AGNSinglBand Dual ModeAP	JD452A	HP A-WA2610E Single Radio 802.11n AP	1 year
0235A42M	WA2620E-AGNDual BandDual ModeAP	JD453A	HP A-WA2620E Dual Rad 802.11n Plenum AP	1 year
2701A00H	2/5GHz_Ceiling_MIMO_6_ Antenna	JD454A	HP 2/5GHz Ceiling MIMO 6 Antenna	n/a
2701A00J	2/5GHz_Ceiling_MIMO_3_ Antenna	JD455A	HP 2/5GHz Ceiling MIMO 3 Antenna	n/a
3130A0E0	WX 3000 Series Upgrade License for an Additional Support of 12 Access Points	JD462A	HP A-WX3000 12 AP License Upgrade	n/a
3130A0E1	WX 5000 Series Upgrade License for an Additional Support of 32 Access Points	JD463A	HP A-WX5000 32 AP License Upgrade	n/a
3130A0E2	WX Series Wireless Blade Upgrade License for an Additional Support of 128 Access Points	JD464A	HP A-WX Blade 128 AP License Upgrade	n/a
9801A0AA	WA 2620 Dual Radio a/b/g/n Access Point (FIT)	JD472A	HP A-WA2620 Dual Rad 802.11n AP	1 year
3CNJPSE	Ethernet Power Source, 1 Port, 48 Volts	JD483B	HP Single-port 802.3af PoE In-line PS	lifetime
3CGBIC91	1000BASE-SX GBIC	JD485A	HP X120 1G GBIC SC SX Transceiver	1 year
3CGBIC92	1000BASE-LX GBIC	JD486A	HP X120 1G GBIC SC LX Transceiver	1 year
3CGBIC93A	1000BASE-T GBIC	JD488A	HP X120 1G GBIC RJ45 T Transceiver	1 year
3CSFP91	1000BASE-SX SFP Transceiver	JD493A	HP X124 1G SFP LC SX Transceiver	1 year
3CSFP92	1000BASE-LX SFP Transceiver	JD494A	HP X124 1G SFP LC LX Transceiver	1 year
3CSFP9-81	100Base-FX SFP Transceiver (Dual Mode)	JD497A	HP X110 100M SFP LC FX DM Transceiver	1 year
3CSFP9-82	100Base-LX10 SFP Transceiver (Dual Mode)	JD498A	HP X110 100M SFP LC LX10 Transceiver	1 year
3CXENPAK91	LX-4 XENPAK TRANSCEIVER	JD499A	HP X130 10G XENPAK SC LX4 Transceiver	1 year
3CXENPAK95	CX-4 XENPAK TRANSCEIVER	JD502A	HP X130 10G XENPAK CX4 Transceiver	1 year
3CXFP95	CX4 XFP Transceiver	JD506A	HP X130 10G XFP CX4 Transceiver	1 year
04021299	Router Auxiliary Cable	JD508A	HP X260 Auxiliary Router Cable	n/a
04026104	Router E1 RJ45 Cable - 3m	JD509A	HP X260 E1 RJ45 3m Router Cable	n/a
04026813	CAB-E1/75-120 Convert	JD511A	HP X260 E1 RJ45 BNC Cnvrnsn Router Cable	n/a
04040117	CAB-75ohm 8E1-3m-BNC	JD512A	HP X260 8E1 BNC 75 ohm 3m Router Cable	n/a
04040148	Router E1 BNC Cable - 20m	JD514A	HP X260 E1 BNC 20m Router Cable	n/a
04040149	CAB-E1/2*BNC-75-40m	JD516A	HP X260 E1/2 BNC 75 ohm 40m Router Cable	n/a
04040150	Router E1 RJ45 Cable - 20m	JD517A	HP X260 E1 RJ45 20m Router Cable	n/a
04041054	Router T1 Cable	JD518A	HP X260 T1 Router Cable	n/a
04043589	Router V.24 DTE Cable - Enh.	JD519A	HP X200 V.24 DTE 3m Serial Port Cable	n/a
04043590	Router V.24 DCE Cable - Enh..	JD521A	HP X200 V.24 DCE 3m Serial Port Cable	n/a
04043591	Router V.35 DTE Cable - Enh..	JD523A	HP X200 V.35 DTE 3m Serial Port Cable	n/a
04043592	Router V.35 DCE Cable - Enh..	JD525A	HP X200 V.35 DCE 3m Serial Port Cable	n/a
04043593	Router X.21 DTE Cable - Enh..	JD527A	HP X200 X.21 DTE 3m Serial Port Cable	n/a
04043594	Router X.21 DCE Cable - Enh..	JD529A	HP X200 X.21 DCE 3m Serial Port Cable	n/a
04060353	Router T3/E3 Cable	JD531A	HP X260 T3/E3 Router Cable	n/a
04060414	CAB-E3-30 E3/T3 Cable	JD533A	HP X260 E3-30 E3/T3 Router Cable	n/a
14080099	Router T1 Voice Cable	JD535A	HP X260 T1 Voice Router Cable	n/a
0231A49M	Router 1-Port Analog Modem SIC	JD536A	HP 1-Port Analog Modem SIC A-MSR Module	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0231A50Y	Router 1-Port ADSL2+ SIC	JD537A	HP 1-Port ADSL2+ SIC A-MSR Module	1 year
0231A52S	Router 1-Port Fractional T1 SIC	JD538A	HP 1-Port Fractional SIC A-MSR Module	1 year
0231A52V	Router 4-Port E&M MIM	JD539A	HP 4-Port Voice E&M MIM A-MSR Module	1 year
0231A53D	Router 2-Port Enhanced Serial MIM	JD540A	HP 2-Port Enhanced Serial MIM A-MSR Mod	1 year
0231A53E	Router 4-Port Enhanced Serial MIM	JD541A	HP 4-Port Enhanced Serial MIM A-MSR Mod	1 year
0231A53F	Router 4-Port FXO MIM	JD542A	HP 4-Port FXO MIM A-MSR Module	1 year
0231A53G	Router 2-Port FXO MIM	JD543A	HP 2-Port FXO MIM A-MSR Module	1 year
0231A53P	Router 2-Port CE1/PRI MIM	JD544A	HP 2-Port CE1/PRI MIM A-MSR Module	1 year
0231A0LK	1-Port 10/100M Ethernet Electrical Interface Board (RJ45)	JD545B	HP 1-port 10/100 SIC MSR Module	1 year
0231A54D	Router 1-Port G.SHDSL MIM	JD547A	HP 1-Port G.SHDSL MIM A-MSR Module	1 year
0231A54M	2Port 10/100/1000BASE-T Ethernet MIM	JD548A	HP 2p 10/100/1000BASE-T MIM A-MSR Mod	1 year
0231A54P	Router 2-Port FT1/CT1 PRI MIM	JD549A	HP 2-Port FT1/CT1 PRI MIM A-MSR Module	1 year
0231A54R	Router 4-Port CE1/PRI MIM	JD550A	HP 4-Port CE1/CT1 PRI MIM A-MSR Module	1 year
0231A54X	4-port 10/100BASE-TX Module (RJ45)	JD551A	HP 4-Port 10/100Base-TX A-MSR Module	1 year
0231A55E	8-Port Enhanced Sync/Async Interface Mod	JD552A	HP 8p Enh Sync/Async Interface A-MSR Mod	1 year
0231A55S	Router 4-Port FXS MIM	JD553A	HP 4-Port FXS MIM A-MSR Module	1 year
0231A55Y	Router NDEC2 Encryption Accelerator MIM	JD554A	HP NDEC2 Encryption Accel MIM A-MSR Mod	1 year
0231A56F	Router 4-Port T1 IMA MIM	JD556A	HP 4-Port T1 IMA MIM A-MSR Module	1 year
0231A56N	Router 1-Port Enhanced Serial SIC	JD557A	HP 1-Port Enhanced Serial SIC A-MSR Mod	1 year
0231A56P	Router 2-Port FXO SIC	JD558A	HP 2-Port FXO SIC A-MSR Module	1 year
0231A56Q	Router 1-Port FXO SIC	JD559A	HP 1-Port FXO SIC A-MSR Module	1 year
0231A56R	Router 2-Port FXS SIC	JD560A	HP 2-Port FXS SIC A-MSR Module	1 year
0231A56S	Router 1-Port FXS SIC	JD561A	HP 1-Port FXS SIC A-MSR Module	1 year
0231A56W	RT-MIM-8E1(75)-H3	JD563A	HP 8-port E1 PRI MIM MSR Module	1 year
0231A60S	Router 24-Port 10/100 DMIM	JD564A	HP 24-Port 10/100 DMIM A-MSR Module	1 year
0231A60T	Router 1-Port E1 Voice MIM	JD565A	HP 1-Port E1 Voice MIM A-MSR Module	1 year
0231A60U	Router-Port T1 Voice MIM	JD566A	HP-Port T1 Voice MIM A-MSR Module	1 year
0231A60V	Router 2-Port E1-Voice MIM	JD567A	HP 2-Port E1-Voice MIM A-MSR Module	1 year
0231A60W	Router 2-Port T1-Voice MIM	JD568A	HP 2-Port T1-Voice MIM A-MSR Module	1 year
0231A60X	Router 16-Port 10/100 MIM	JD569A	HP 16-Port 10/100 MIM A-MSR Module	1 year
0231A61A	Router 1-Port ISDN-U SIC	JD570A	HP 1-Port ISDN-U SIC A-MSR Module	1 year
0231A61H	Router 1-Port ISDN-S/T SIC	JD571A	HP 1-Port ISDN-S/T SIC A-MSR Module	1 year
0231A61M	Router 1-Port 10/100/1000 SIC	JD572A	HP 1-Port 10/100/1000 SIC A-MSR Module	1 year
0231A0KS	4-Port 10M/100M Ethernet L2 Switch Module (RJ45)	JD573B	HP 4-port 10/100 SIC MSR Module	1 year
0231A0LE	9-Port 10M/100M Ethernet L2 Switch Module (RJ45)	JD574B	HP 9-Port 10/100 DSIC MSR Module	1 year
0231A61Q	Router 1-Port E1-Voice SIC	JD575A	HP 1-Port E1-Voice SIC A-MSR Module	1 year
0231A61R	Router 1-Port T1-Voice SIC	JD576A	HP 1-Port T1-Voice SIC A-MSR Module	1 year
0231A61S	Router 2-Port 10/100 FIC	JD577A	HP 2-Port 10/100 FIC A-MSR Module	1 year
0231A61T	Router 2-Port CE1/PRI FIC	JD578A	HP 2-Port CE1/PRI FIC A-MSR Module	1 year
0231A62A	Router 8-Port Enhanced Serial FIC	JD580A	HP 8-Port Enhanced Serial FIC A-MSR Mod	1 year
0231A62C	Route 1-Port OC-3 POS FIC	JD581A	HP 1-Port OC-3 POS FIC A-MSR Module	1 year
0231A0NP	Route 1-Port OC-3 POS FIC	JD581B	HP 1-port OC-3 POS FIC A-MSR Module	1 year
0231A62G	Router 1-Port GbE Fiber FIC	JD582A	HP 1-Port GbE Fiber FIC A-MSR Module	1 year
0231A0NQ	Router 1-Port 10/100/1000 FIC	JD583B	HP 1-port 10/100/1000 FIC A-MSR Module	1 year
0231A62J	Router 4-Port Enhanced Serial FIC	JD584A	HP 4-Port Enhanced Serial FIC A-MSR Mod	1 year
0231A62L	Router 8-Port CE1/PRI FIC-75	JD585A	HP 8-Port CE1/PRI FIC-75 A-MSR Module	1 year
0231A62P	Router 2-Port E1-Voice FIC	JD587A	HP 2-Port E1-Voice FIC A-MSR Module	1 year
0231A62S	Router 4-Port CE1/PRI FIC	JD588A	HP 4-Port CE1/PRI FIC A-MSR Module	1 year
0231A62T	Router 4-Port ISDN-S/T FIC	JD589A	HP 4-Port ISDN-S/T FIC A-MSR Module	1 year
0231A62V	Router 4-Port Fractional E1 FIC	JD591A	HP 4-Port Fractional E1 FIC A-MSR Module	1 year
0231A62W	Router 4-Port Fractional T1 FIC	JD592A	HP 4-Port Fractional T1 FIC A-MSR Module	1 year
0231A62X	Router 4-Port FXO FIC	JD593A	HP 4-Port FXO FIC A-MSR Module	1 year
0231A62Y	Router 4-Port FXS FIC	JD594A	HP 4-Port FXS FIC A-MSR Module	1 year
0231A63B	Router 1-Port T3 ATM FIC	JD595A	HP 1-Port T3 ATM FIC A-MSR Module	1 year
0231A63D	Router 1-Port E3 ATM FIC	JD596A	HP 1-Port E3 ATM FIC A-MSR Module	1 year
0231A63L	MSR 32-Channel Voice Processor Module	JD598A	HP 32-Channel Voice Processor A-MSR Mod	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0231A63M	MSR 24-Channel Voice Processor Module	JD599A	HP 24-Channel Voice Processor A-MSR Mod	1 year
0231A63N	MSR 16-Channel Voice Processor Module	JD600A	HP 16-Channel Voice Processor A-MSR Mod	1 year
0231A63P	MSR 8-Channel Voice Processor Module	JD601A	HP 8-Channel Voice Processor A-MSR Mod	1 year
0231A63Q	Router 4-Port E&M FIC	JD602A	HP 4-Port E&M FIC A-MSR Module	1 year
0231A63V	Router 24-Port 10/100 DFIC	JD603A	HP 24-Port 10/100 DFIC A-MSR Module	1 year
0231A63W	Router 16-Port 10/100 FIC	JD604A	HP 16-Port 10/100 FIC A-MSR Module	1 year
0231A63X	Router 1-Port T1 Voice FIC	JD605A	HP 1-Port T1 Voice FIC A-MSR Module	1 year
0231A63Y	Router 2-Port T1 Voice FIC	JD606A	HP 2-Port T1 Voice FIC A-MSR Module	1 year
0231A64A	Router 1-Port E1-Voice FIC	JD607A	HP 1-Port E1 Voice FIC A-MSR Module	1 year
0231A64Q	MSR Advanced Encryption Accelerator	JD608A	HP Adv Encryption Accelerator A-MSR Mod	1 year
0231A64R	MSR Standard Encryption Accelerator	JD609A	HP Std Encryption Accelerator A-MSR Mod	1 year
0231A64S	MSR Voice Co-Processor Module	JD610A	HP Voice Co-Processor Module A-MSR Mod	1 year
0231A71A	Router 2-Port 10/100 MIM	JD613A	HP 2-Port 10/100 MIM A-MSR Module	1 year
0231A75P	Router 16-Port 10/100 POE FIC	JD616A	HP 16-Port 10/100 POE FIC A-MSR Module	1 year
0231A75Q	Router 24-Port 10/100 POE DFIC	JD617A	HP 24-Port 10/100 POE DFIC A-MSR Module	1 year
0231A75R	Router 16-Port 10/100 POE MIM	JD618A	HP 16-Port 10/100 POE MIM A-MSR Module	1 year
0231A75S	Router 24-Port 10/100 POE DMIM	JD619A	HP 24-Port 10/100 POE DMIM A-MSR Module	1 year
0231A769	Router 4-Port 10/100 POE SIC	JD620A	HP 4-Port 10/100 POE SIC A-MSR Module	1 year
0231A770	Router 9-Port 10/100 POE DSIC	JD621A	HP 9-Port 10/100 POE DSIC A-MSR Module	1 year
0231A77P	Router 4-Port E1-IMA FIC -75	JD622A	HP 4-Port E1-IMA FIC -75 A-MSR Module	1 year
0231A790	Router 1-Port OC-3 ATM MIM	JD624A	HP 1-Port OC-3 ATM MIM A-MSR Module	1 year
0231A792	Router 1-Port FE3/CE3 FIC	JD625A	HP 1-Port FE3/CE3 FIC A-MSR Module	1 year
0231A867	Router 1-Port FT3/CT3 MIM	JD628A	HP 1-Port FT3/CT3 MIM A-MSR Module	1 year
0231A86Q	Router 1-Port FT3/CT3 FIC	JD629A	HP 1-Port FT3/CT3 FIC A-MSR Module	1 year
0231A86R	Router 1-Port FE3/CE3 MIM	JD630A	HP 1-Port FE3/CE3 MIM A-MSR Module	1 year
0231A86Y	2FXS+1FXO Voice Interface SIC Module	JD632A	HP 2FXS+1FXO Voice Infrc SIC A-MSR Mod	1 year
0231A896	Router 1-Port OC-3 ATM FIC	JD633A	HP 1-Port OC-3 ATM FIC A-MSR Module	1 year
0231A0NN	Router 1-Port Fractional E1 SIC	JD634B	HP 1-port Fractional E1 SIC A-MSR Module	1 year
0404A00R	Router 8-Port E1 Cable	JD635A	HP X260 E1 8-Port Router Cable	n/a
0404A01K	CAB-Tra-D25F-RJ45	JD636A	HP X200 Transit Plug D25F Single Cable	n/a
0404A03H	CAB-RPS-1m - MSR30	JD637A	HP X290 A-MSR30 1m RPS Cable	n/a
0404A042	Router 4-Port E1 IMA Cable	JD638A	HP X260 E1 4-Port IMA Router Cable	n/a
0404A043	CAB-8T1-3m-RJ45	JD639A	HP X260 8T1 RJ45 3m Router Cable	n/a
0404A045	Router 4-Port T1 IMA Cable	JD640A	HP X260 T1 4-Port IMA Router Cable	n/a
0404A048	CAB-Tra-0.5m-RJ45	JD641A	HP X260 Transit RJ45 0.5m Single Cable	n/a
0404A095	CAB-(SIC-8AS)-0.28m-RJ45	JD642A	HP X260 SIC-8AS RJ45 0.28m Router Cable	n/a
0404A09P	CAB-2E1-3m-4 BNC	JD643A	HP X260 2E1 BNC 3m Router Cable	n/a
0404A100	Router V.35 DTE Cable	JD644A	HP X260 V.35 DTE Cable	n/a
06200058	SDRAM-256MB	JD647A	HP A-MSR 256MB SDRAM	1 year
06200059	SDRAM-512MB	JD648A	HP A-MSR 512MB SDRAM	1 year
0231A64N	MSR 50 Power Supply-AC	JD650A	HP A-MSR50 AC Power Supply	1 year
0231A64P	MSR 50 Multi-Service Module	JD651A	HP A-MSR50 Multi-Service Module	1 year
0231A781	MSR 50 POE Power Supply-AC	JD652A	HP A-MSR50 AC PoE Power Supply	1 year
0231A791	MSR 50 Processor Module	JD653A	HP MSR50 Processor Module	1 year
0235A325	MSR 20-21	JD663B	HP MSR20-21 Multi-Service Router	1 year
0620A001	256M SDRAM SODIMM	JD677A	HP A-MSR 256MB SDRAM SO-DIMM	1 year
3130A15C	H3C MSR 30 Routers Software	JD679A	HP A-MSR30 Router Software License	n/a
3C0EP3000	EPICVisor Supervisor Lic + USB	JD686A	HP EPICVisor Supervisor Lic + USB	n/a
3C0EP3100	EPICVisor Monitor Lic + USB	JD687A	HP EPICVisor Monitor Lic + USB	n/a
3C10329	NBX Media Driver Site License	JD742B	HP NBX Media Driver Site License	90 day
3C10382	eXchange Visor License	JD747A	HP eXchange Visor License	n/a
3C10383	eXchange Visor Monitor	JD748A	HP eXchange Visor Monitor	n/a
3C15700	3Com Integration Kit for HP OpenView Network Node Manager	JD801A	3Com to HP OpenView NNM Integration Kit	n/a
3C1670500C	OfficeConnect Gigabit Switch 5	JD838A	HP V1405C-5G Switch	3 year
3C1670800C	OfficeConnect Gigabit Switch 8	JD841A	HP V1405C-8G Switch	3 year
3C1671600A	OfficeConnect gigabit Switch 16	JD844A	HP V1405-16G Desktop Switch	3 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3C16790C	OfficeConnect Fast Ethernet Switch 5	JD853A	HP V1405C-5 Switch	3 year
3C16791C	OfficeConnect Fast Ethernet Switch 8	JD856A	HP V1405C-8 Switch	3 year
3C16792C	OfficeConnect Fast Ethernet Switch 16	JD858A	HP V1405-16 Desktop Switch	3 year
3CDSG10PWR	3Com OfficeConnect Managed Gigabit PoE Switch	JD864A	HP V1905-10G-PoE Switch	3 year
3CDSG8	3com OfficeConnect Managed Gigabit Switch	JD865A	HP V1900-8G Switch	3 year
3CFSU05	3Com Switch 5	JD866A	HP V1405-5 Switch	3 year
3CFSU08	3Com Switch 8	JD867A	HP V1405-8 Switch	3 year
3CGSU05A	3Com Gigabit Switch 5	JD869A	HP V1405-5G Switch	3 year
3CGSU08A	3Com Gigabit Switch 8	JD871A	HP V1405-8G Switch	3 year
3CR16709-91	OfficeConnect Managed Switch 9 FX	JD875A	HP OfficeConnect Managed Switch 9 FX	3 year
3CRDSF9PWR	3Com OfficeConnect Managed Fast Ethernet PoE Switch	JD877A	HP V1905-8-PoE Switch	3 year
3CRWE675075	3Com 11a/b/g Wireless Work Group Bridge	JD896A	HP 802.11a/b/g Workgroup Bridge	1 year
3CRWEASYA73	3Com Outdoor 11a Building-to-Building Bridge and 11bg Access Point	JD899A	HP 802.11a Integrated Outdoor Bridge+AP	1 year
3CWE501	2.5 dBi Dual Band Antenna for 3CRWE675075 Wireless Workgroup Bridge	JD901A	HP 2.5dBi Dual Band Ant. a/b/g Wkgrp Bridge	n/a
3CWE580	3Com 6ft ULL Antenna Cable	JD902A	HP X270 ULL 6ft Antenna Cable	n/a
3CWE581	3Com 20ft ULL Antenna Cable	JD903A	HP X270 ULL 20ft Antenna Cable	n/a
3CWE582	3Com 50ft Ultra Low Loss Antenna Cable	JD904A	HP X270 ULL 50ft Antenna Cable	n/a
3CWE586	3Com RSMA to SMA 6 inch Antenna Cable	JD905A	HP X270 RSMA to SMA 6in Antenna Cable	n/a
3CWE590	2dBi Dual-Band Omni Antenna Kit for the 9550/9150 11n Access Points (incl. 3 antennas)	JD906A	HP 2dBi Omni Ant, A9x5x 11n AP w/3 ant	n/a
3CWE591	3Com 6/8dBi Dual-Band Omni Antenna	JD907A	HP 6/8dBi Dual Band Omni Antenna	n/a
3CWE592	3Com 3/4 Dual-Band Ceiling Mount Antenna	JD908A	HP 3/4dBi Dual Band Ceiling Mount Ant	n/a
3CWE596	3Com 18/20 dBi Dual-Band Panel Antenna	JD909A	HP 18/20dBi Dual Band Panel Antenna	n/a
3CWE597	3Com 6/8 Dual-Band Hallway Antenna	JD910A	HP 6/8dBi Dual Band Hallway Antenna	n/a
3CWE598	3Com 8/10dBi Dual-Band Panel Antenna	JD911A	HP 8/10dBi Dual Band Patch Antenna	n/a
3CWE810	3Com 6ft ULL N to N Antenna Cable	JD912A	HP X270 ULL N to N 6ft Antenna Cable	n/a
3CWE811	3Com 20ft ULL N to N Antenna Cable	JD913A	HP X270 ULL N to N 20ft Antenna Cable	n/a
3CWE812	3Com 50ft ULL N to N Antenna Cable	JD914A	HP Ultra Low Loss Antenna Cbl (N, 50ft)	n/a
0404A00Q	CAB-75ohm 8E1-3m-BNC-IMA	JD927A	HP CAB-75ohm 8E1-3m-BNC-IMA	n/a
3C16470B	Baseline 10/100 Switch 16 Port	JD984A	HP V1405-16 Switch	3 year
3C16471B	Baseline 10/100 Switch 24 Port	JD986A	HP V1405-24 Switch	3 year
3CBLSF26H	Baseline Plus Switch 2200 - 24 port	JD990A	HP V1905-24 Switch	3 year
3CBLSF26PWRH	Baseline Plus Switch 2426 - 24PWR	JD992A	HP V1905-24-PoE Switch	3 year
3CBLSF50H	Baseline Plus Switch 2200 - 50 port	JD994A	HP V1905-48 Switch	3 year
3CBLUG16A	3Com Baseline Switch 2816	JD998A	HP V1405-16G Switch	3 year
3CRBSG2093	Baseline Plus Switch 2900G - 20 port	JE005A	HP V1910-16G Switch	3 year
3CRBSG2893	Baseline Plus Switch 2900G - 28 port	JE006A	HP V1910-24G Switch	3 year
3CRBSG28HPWR93	Baseline Plus Switch 2900G - 28HPWR	JE007A	HP V1910-24G-PoE(365W) Switch	3 year
3CRBSG28PWR93	Baseline Plus Switch 2900G - 28PWR	JE008A	HP V1910-24G-PoE(170W) Switch	3 year
3CRBSG5293	3Com Baseline Plus Switch 2900 Gigabit Family - 52 port	JE009A	HP V1910-48G Switch	3 year
3CR17660-91	Switch 4200G 12-Port	JE015A	HP E4200-12G Switch	lifetime
3CR17331A-91	SWITCH 4210 9-PORT	JE022A	HP E4210-8 Switch	lifetime
3CR17332A-91	SWITCH 4210 18-PORT	JE025A	HP E4210-16 Switch	lifetime
3CR17334-91	Switch 4210 52-Port	JE027A	HP E4210-48 Switch	lifetime
3CR17341A-91	SWITCH 4210 PWR 9-PORT	JE029A	HP E4210-8-PoE Switch	lifetime
3CR17342-91	Switch 4210 PWR 18-Port	JE031A	HP E4210-16-PoE Switch	lifetime
3CR17343A-91	SWITCH 4210 PWR 26-PORT	JE033A	HP E4210-24-PoE Switch	lifetime
3CR17561-91	Switch 4500 26-Port	JE045A	HP E4500-24 Switch	lifetime
3CR17562-91	Switch 4500 50-Port	JE046A	HP E4500-48 Switch	lifetime
3CR17571-91	Switch 4500 PWR 26-Port	JE047A	HP E4500-24-PoE Switch	lifetime
3CR17572-91	Switch 4500 PWR 50-Port	JE048A	HP E4500-48-PoE Switch	lifetime
3C17766	Switch 4500G/4800G 2-Port 10-Gigabit Module (XFP)	JE049A	HP 2-Port 10-Gig XFP E45/E48 Module	lifetime
3C17767	Switch 4500G/4800G 2-Port 10-Gigabit Local Connection Module	JE051A	HP 2-Port 10-Gig LCM E45/E48 Module	lifetime
3C17768	Switch 4500G/4800G 1-Port 10-Gigabit Module (XFP)	JE053A	HP 1-Port 10-Gig XFP E45/E48 Module	lifetime
3C17775	Local Connection CX4 Cable 50cm	JE054A	HP 50cm CX4 Cable	n/a

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3C17776	Local Connection CX4 Cable 100cm	JE055A	HP 100cm CX4 Cable	n/a
3C17777	Local Connection CX4 Cable 300cm	JE056A	HP 300cm CX4 Cable	n/a
3CR17761-91	Switch 4500G 24-Port	JE057A	HP E4500-24G Switch	lifetime
3CR17771-91	Switch 4500G PWR 24-Port	JE061A	HP E4500-24G-PoE Switch	lifetime
3CR17772-91	Switch 4500G PWR 48-Port	JE063A	HP E4500-48G-PoE Switch	lifetime
0235A0BQ	S5120-24P-EI 24GE+4ComboSFP	JE066A	HP A5120-24G EI Switch	lifetime
0235A0BR	S5120-48P-EI 48GE+4ComboSFP	JE067A	HP A5120-48G EI Switch	lifetime
0235A0BS	S5120-28C-EI 24GE+4Combo+2Slt	JE068A	HP A5120-24G EI Switch with 2 Slots	lifetime
0235A0BT	S5120-52C-EI 48GE+4Combo+2Slt	JE069A	HP A5120-48G EI Switch with 2 Slots	lifetime
0235A0BU	S5120-28C-PWR-EI 24G+4C+2S+POE	JE070A	HP A5120-24G-PoE EI Switch with 2 Slots	lifetime
0235A0BV	S5120-52C-PWR-EI 48G+4C+2S+POE	JE071A	HP A5120-48G-PoE EI Switch with 2 Slots	lifetime
0235A41W	S5120-52P-SI 48GE+4 SFP	JE072A	HP A5120-48G SI Switch	lifetime
0235A42B	S5120-20P-SI L2, 16GE+4SFP	JE073A	HP A5120-16G SI Switch	lifetime
0235A42D	S5120-28P-SI 24GE+4 SFP	JE074A	HP A5120-24G SI Switch	lifetime
3C17260	Switch 5500G-EI 8-Port SFP Module	JE075A	HP 8-Port SFP E5500 Module	lifetime
3C17261	Switch 5500G-EI 1-Port 10G Module	JE077A	HP 1-Port 10-GbE E5500 Module XENPAK	lifetime
3C17262	Switch 5500G-EI Stacking Cable (65cm)	JE079A	HP X250 65cm Stacking Cable	n/a
3C17263	Switch 5500G-EI Resilient Stacking Cable (1.2M)	JE080A	HP X250 1.2m Resilient Stacking Cable	n/a
3C17264	Switch 5500G-EI PoE PSU 24PT	JE081A	HP E5500-24G-PoE Power Supply	lifetime
3C17265	Switch 5500G-EI PoE PSU 48PT	JE082A	HP E5500-48G-PoE Power Supply	lifetime
3C17266	Switch 5500G-EI PSU 24PT	JE083A	HP E5500-24G Power Supply	lifetime
3C17267	Switch 5500G-EI PSU 48PT	JE084A	HP E5500-48G Power Supply	lifetime
3C17268	Switch 5500G-EI 2-Port 10G Module	JE085A	HP 2-Port 10-GbE E5500 Module XFP	lifetime
3C17269	Switch 5500G-EI Stacking Cable (5M)	JE087A	HP X250 5m Stacking Cable	n/a
3CR17250-91	Switch 5500G-EI 24 Port	JE088A	HP E5500-24G Switch	lifetime
3CR17251-91	Switch 5500G-EI 48-Port	JE090A	HP E5500-48G Switch	lifetime
3CR17252-91	Switch 5500G-EI PWR 24-Port	JE092A	HP E5500-24G-PoE Switch	lifetime
3CR17253-91	Switch 5500G-EI PWR 48-Port	JE094A	HP E5500-48G-PoE Switch	lifetime
3CR17258-91	Switch 5500G-EI SFP 24-Port	JE096A	HP E5500-24G-SPF Switch	lifetime
3CR17161-91	Switch 5500-EI 28-Port	JE101A	HP E5500-24 Switch	lifetime
3CR17162-91	Switch 5500-EI 52-Port	JE103A	HP E5500-48 Switch	lifetime
3CR17171-91	Switch 5500-EI PWR 28-Port	JE105A	HP E5500-24-PoE Switch	lifetime
3CR17172-91	Switch 5500-EI PWR 52-Port	JE107A	HP E5500-48-PoE Switch	lifetime
3CR17181-91	Switch 5500-EI 28-Port FX	JE109A	HP E5500-24-SFP Switch	lifetime
3C10401SPKRB	3Com 3101SP Basic Speaker Phone	JE221A	HP 3101SP Basic Speaker Phone	1 year
3C10401SPKRC	3Com 3101SP Basic-Speaker Phone	JE222A	HP 3101SP Basic Speaker Phone (BR)	1 year
3C10402B	3Com 3102 Business Phone	JE223A	HP 3102 Business Phone	1 year
3C10405B	3Com 3105 Attendant Console	JE228A	HP 3105 Attendant Console	1 year
3C10444-AA	Phone Power Supply 90/240V-24VDC	JE232A	HP 90/240V-24VDC Phone Power Supply (AA)	1 year
3C10444-CN	Phone Power Supply 90/240V-24VDC	JE233A	HP 90/240V-24VDC Phone Power Supply (CN)	1 year
3C10444-ME	Phone Power Supply 90/240V-24VDC	JE234A	HP 90/240V-24VDC Phone Power Supply (ME)	1 year
3C10444-SA	Phone Power Supply 90/240V-24VDC	JE235A	HP 90/240V-24VDC Phone Power Supply (SA)	1 year
3C10444-UK	Phone Power Supply 90/240V-24VDC	JE236A	HP 90/240V-24VDC Phone Power Supply (UK)	1 year
3C10444-US	PWR Supply 90-240V-24VDC	JE237A	HP 90-240V-24VDC Phone Power Supply (US)	1 year
3C10474	3Com PoE Supply, 1 Port 802.3af	JE250A	HP PoE Supply, 1 Port 802.3af	1 year
0231A0D2	VCX Connect Primary MIM Mod	JE252A	HP VCX Connect Primary MIM Mod	1 year
0231A0D3	VCX Connect Secondary MIM Mod	JE253A	HP VCX Connect Secondary MIM Mod	1 year
0231A0D4	VCX BRANCH MIM MOD	JE254A	HP VCX BRANCH MIM MOD	1 year
3C0EP1000VCX	EPIC Base Package 10-10-1 VCX	JE261A	HP EPIC Base Package 10-10-1 VCX	n/a
3C0EP3000VCX	EPICVisor Sprvsr Lic + USB VCX	JE267A	HP EPICVisor Sprvsr Lic + USB VCX	n/a
3C0EP3100VCX	EPICVisor Mntr Lic + USB VCX	JE268A	HP EPICVisor Mntr Lic + USB VCX	n/a
3C0VG60003-06	V6100 CPU and CM Module Set	JE271A	HP VCX V6100 CPU and CM Module Set	1 year
3C0VG60005-06	V6000 V6100 Connect 100 PS Mod	JE272A	HP VCX V6000 V6100 Connect 100 PS Mod	1 year
3C0VG60006-06	V6000 V6100 Connect 100 HDD RAID	JE273A	HP VCX V6000 V6100 Connect 100 HDD RAID	n/a
3C0VG60007-06	VCX FAN MODULE	JE274A	HP VCX Fan Module	n/a
3C0VG60011-06	V6000 V6100 Connect 100 CM FRU	JE275A	HP VCX V6000 V6100 Connect 100 CM FRU	n/a

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3C0VH701996C	ET254-L 4 10/100M-FE ONU	JE277A	HP VCX V7005 250G SATA RAID Disk	n/a
3C0VH722296B	X3650 146 Gig SAS RAID DISK	JE279A	HP X3650 146 Gig SAS RAID Disk	n/a
3C0VS72409-07	VCX Call Record Srvr Lic	JE293A	HP VCX Call Record Server Lic	n/a
3C0VS72609-07	VCX IPTPerSrvr Upg to 7.0 Lic	JE295A	HP VCX IPT PerSrvr Upg to 7.0 Lic	n/a
3C0VS72709-07	VCX IPT IPM PerSrvrUpg7.0 Lic	JE296A	HP VCX IPT IPM PerSrvrUpg7.0 Lic	n/a
3C0VS72809-07	IPM PerSrvrUpg7.0 Lic	JE297A	HP IPM PerSrvrUpg7.0 Lic	n/a
3C10380VCX	eXchange Call Ctr Base PKG VCX	JE303A	HP eXchange Call Ctr Base PKG VCX	n/a
3C10382VCX	eXchange Visor License VCX	JE305A	HP eXchange Visor License VCX	n/a
3C10383VCX	eXchange Visor Monitor VCX	JE306A	HP eXchange Visor Monitor VCX	n/a
3C10DOMA	3Com Integration -- Domino	JE320A	HP Integration -- Domino	n/a
3C10STMA	3Com Integration - Sametime	JE321A	HP Integration - Sametime	n/a
3CRC100A	VCX CONNECT 100 Primary	JE339A	HP VCX CONNECT 100 Primary	1 year
3CRC100B	VCX Connect 100 Pri Server 9.0	JE340A	HP VCX Connect 100 Pri Server 9.0	1 year
3CRC101A	VCX CONNECT 100 Secondary	JE341A	HP VCX CONNECT 100 Secondary	1 year
3CRC101B	VCX Connect 100 Sec Server 9.0	JE342A	HP VCX Connect 100 Sec Server 9.0	1 year
3CRC1HDB	VCX Connect 100 spare Primary hard drive	JE344A	HP VCX Connect 100 spare Primary HDD	n/a
3CRC1SHDB	VCX Connect 100 spare Secondary hard drive	JE346A	HP VCX Connect 100 spare Secondary HDD	n/a
3CRV6000A-09	VCX V6000 Branch Platform 9.0	JE355A	HP VCX V6000 Branch Platform 9.0	1 year
3CRV6100HDA-09	VCX V6100 Hard Disk 9.0 Module	JE356A	HP VCX V6100 Hard Disk 9.0 Module	n/a
3CRVG52001-07	V6100 Connect 100 4P FXO Module	JE359A	HP VCX V6100 Connect 100 4P FXO Module	1 year
3CRVG52002-07	V6100 Connect 100 4P FXS Module	JE360A	HP VCX V6100 Connect 100 4P FXS Module	1 year
3CRVG52003-07	V6100 Connect 100 4Span BRI Mod	JE361A	HP VCX V6100 Connect 100 4Span BRI Mod	1 year
3CRVG60002-07	V6000 2P FXS FRU Module	JE362A	HP VCX V6000 2P FXS FRU Module	1 year
3CRVG60005-06	V6100 Connect 100 GW CPU Module FRU	JE364A	HP VCX V6100 Connect 100 GW CPU Mod FRU	1 year
3CRVG60006-06	V6000 GW CPU Module FRU	JE365A	HP VCX V6000 GW CPU Module FRU	1 year
3CRVG71110-07	VCX V7111 4 FXS GW	JE366A	HP VCX V7111 4 FXS GW	1 year
3CRVG71111-07	VCX V7111 8 FXS GW	JE367A	HP VCX V7111 8 FXS GW	1 year
3CRVG71112-07	VCX V7111 24 FXS GW	JE368A	HP VCX V7111 24 FXS GW	1 year
3CRVG71113-07	VCX V7111 4 FXO GW	JE369A	HP VCX V7111 4 FXO GW	1 year
3CRVG71114-07	VCX V7111 8 FXO GW	JE370A	HP VCX V7111 8 FXO GW	1 year
3CRVG71115-07	VCX V7111 2P FXS GATEWAY	JE371A	HP VCX V7111 2P FXS GATEWAY	1 year
3CRVG71116-07	VCX V7111 2P FXS, 2P FXO GW	JE372A	HP VCX V7111 2P FXS, 2P FXO GW	1 year
3CRVG71117-07	VCX V7111 4P FXS, 4P FXO GW	JE373A	HP VCX V7111 4P FXS, 4P FXO GW	1 year
3CRVG71220-07	VCX VoIP GATEWAY - SINGLE SPAN	JE374A	HP VCX VoIP Gateway - 1 SPAN	1 year
3CRVG71220ME-07	V7122 VoIP Gateway - Single Span	JE375A	HP VCX V7122 VoIP Gateway - Single Span	1 year
3CRVG71221-07	VCX GATEWAY - 2 SPAN	JE376A	HP VCX Gateway - 2 Span	1 year
3CRVG71221ME-07	VCX 7122 2 SPAN ME GW	JE377A	HP VCX 7122 2 SPAN ME GW	1 year
3CRVG71222-07	VCX VoIP GATEWAY - 4 SPAN	JE378A	HP VCX VoIP Gateway - 4 SPAN	1 year
3CRVG71223-07	VCX VoIP GATEWAY - 8 SPAN	JE379A	HP VCX VoIP Gateway - 8 SPAN	1 year
3CRVG71224-07	VCX VoIP GATEWAY - 16 SPAN	JE380A	HP VCX VoIP Gateway - 16 SPAN	1 year
3CRVG71225-07	VCX V6100 DIGITAL CHASSIS	JE381A	HP VCX V6100 Digital Chassis	1 year
3CRVG71226-07	V6100 Connect 100 1Span E1T1 Mod	JE382A	HP VCX V6100 Connect 100 1Span E1T1 Mod	1 year
3CRVG71227-07	V6100 Connect 100 2Span E1T1 Mod	JE383A	HP VCX V6100 Connect 100 2Span E1T1 Mod	1 year
3CRVG71228-07	V6100 4Span E1T1 Module	JE384A	HP VCX V6100 4Span E1T1 Module	1 year
3CRVH700596G	V7005 Series IP Conferencing server 7.3	JE386A	HP VCX V7005 Series IP Conf Server 7.3	1 year
3CRVH701596E	V7310 IP CONF X3650 SRVR	JE395A	HP VCX V7310 IP Conf X3650 Server	1 year
3CRVH701696D	V7310 IPConf Sp Disk 7.1 x3650	JE396A	HP VCX V7310 IP Conf Sp Disk 7.1 x3650	n/a
3CRVH702196B	160Gig SATA Spare Disk for IPTCM	JE401A	HP 160Gig SATA Spare Disk for IPTCM	n/a
3CRVH702196C	IP 3TCM 250G SATA HD Spare	JE402A	HP IP 3TCM 250G SATA HD Spare	n/a
3CRVH722196B	X3650 146g SAS IPTIPM DRV SPR	JE408A	HP X3650 146g SAS IPTIPM Spr HD	n/a
3CRVHD7005B-09	VCX V7005 Series 250 Gig SATA R9.x & R7.1 Drive Spare	JE410A	HP VCX V7005 250G SATA R9.x/R7.1 Spr HD	n/a
3CRVHD7005A-09	VCX V7005 Series 250 Gig SATA R9.x & R7.1 Drive Spare	JE411B	HP VCX V7005 250G SATA R9.x/R7.1 Spr HD	n/a
3CRVHD7205A-09	VCX V7205 Series 146 Gig SAS R9.x & R7.1 Drive Spare	JE412A	HP VCX V7205 146G SAS R9.x/R7.1 Spare HD	n/a
3CRVO71330-07	VCX V6000 7.1 Branch Solution	JE414A	HP VCX V6000 Hard Disk v7.1 Module	1 year

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3CR858-91	OfficeConnect Cable/DSL Router	JE454B	HP V100 Cable/DSL Router	3 year
3CRWDR300A-73	3Com ADSL Wireless 11n Firewall Router (ADSL over POTS)	JE459A	HP V110 ADSL-A Wireless-N Router	3 year
3CRWDR300B-73	3Com ADSL Wireless 11n Firewall Router (ADSL over ISDN variant)	JE461A	HP V110 ADSL-B Wireless-N Router	3 year
3CRWER101A-75	3Com Wireless 11g Cable/DSL Router	JE464A	HP V105 Cable/DSL Wireless-G Router (ARG)	3 year
3CRWER101U-75	3Com Wireless 11g Cable/DSL Router	JE466A	HP V105 Cable/DSL Wireless-G Router (LA)	3 year
3CRWER300-73	3Com Wireless 11n Cable/DSL Router	JE468A	HP V110 Cable/DSL Wireless-N Router	3 year
3CRBWEASYA-591	3Com Outdoor Building-to-Building Bridge and Access Point with Omni Antenna	JE470A	HP Outdoor Bridge and AP w/Omni Antenna	n/a
3CRBWEASYA-596	3Com Outdoor Building-to-Building Bridge and Access Point with Panel Antenna	JE471A	HP Outdoor Bridge and AP w/Panel Antenna	n/a
3CRWE915275	AP9152 Single Radio 11n 2.4/5G	JE501A	HP A9152 Single Radio 11n Access Point	1 year
3CX5-25UPGU-E	3Com X5 25 to Unrestricted User Upgrade	JE515A	HP X5 25 to Unrestricted User Upgrade	n/a
0231A84H	S7500E 8 GE EPON + 8 GE	JF217A	HP 8-Port GbE EPON A7500 Module	1 year
0231A84J	LSQM1PT16PSCO	JF218A	HP 16-Port 1000BASE-PX A7500 Module	1 year
0231A0NM	S7500E Saliency VI-Lite Engine	JF219B	HP A7500 144Gbps Fabric w/24 Gig-T Parts	1 year
0235A326	RT-MSR2040-AC-OVS-H3	JF228A	HP A-MSR20-40 Multi-Service Router	1 year
0235A299	RT-MSR3040-AC-OVS-H	JF229A	HP A-MSR30-40 Multi-Service Router	1 year
0235A320	RT-MSR3060-AC-OVS-H3	JF230A	HP A-MSR30-60 Multi-Service Router	1 year
0235A298	RT-MSR5060-AC-OVS-H3	JF231A	HP A-MSR50-60 Multi-Service Router	1 year
0235A327	RT-MSR3016-AC-OVS-H3	JF233A	HP A-MSR30-16 Multi-Service Router	1 year
0235A321	RT-MSR3016-AC-POE-OVS-H3	JF234A	HP A-MSR30-16 POE Multi-Service Router	1 year
0235A267	RT-MSR3020-DC-OVS-H3	JF235A	HP A-MSR30-20 DC Multi-Service Router	1 year
0235A392	RT-MSR2015-AC-OVS-I-H3	JF236A	HP A-MSR20-15 I Multi-Service Router	1 year
0235A394	RT-MSR2015-AC-OVS-A-H3	JF237A	HP A-MSR20-15 A Multi-Service Router	1 year
0235A38V	RT-MSR2015-AC-OVS-AW-H3	JF238A	HP A-MSR20-15 AW Multi-Service Router	1 year
0235A395	RT-MSR2011-AC-OVS-H3	JF239A	HP A-MSR20-11 Multi-Service Router	1 year
0235A390	RT-MSR2013-AC-OVS-H3	JF240A	HP A-MSR20-13 Multi-Service Router	1 year
0235A396	RT-MSR2012-AC-OVS-H3	JF241A	HP A-MSR20-12 Multi-Service Router	1 year
0235A42H	H3C S5810 48-BT, 2 SFP+, AC	JF242A	HP A5810 48-BT, 2 SFP+, AC	lifetime
0231A54L	RT-MIM-8E1(75)-F-H3	JF255A	HP 8-port Fractional E1 MIM MSR Module	1 year
0231A61Y	RT-FIC-8ASE-V2-H3	JF260B	HP 8p Async Serial RJ45 FIC A-MSR Module	1 year
0231A62N	16-Pt Asynchr Serial Interf FIC Module	JF265B	HP 16p Async Serial RJ45 FIC A-MSR Mod	1 year
0231A63S	RT-FIC-2GBE-V2-H3	JF269B	HP 2-port Gig-T RJ45 FIC A-MSR Module	1 year
0231A63T	RT-FIC-2GEF-V2-H3	JF270B	HP 2-port 1000BASE-X FIC A-MSR Module	1 year
0231A77B	RT-XMIM-24FSW-H3	JF276A	HP RT-XMIM-24FSW-H3	1 year
0231A811	RT-XMIM-16FSW-H3	JF279A	HP RT-XMIM-16FSW-H3	1 year
0231A81M	RT-SIC-1FEF-H3	JF280A	HP 1-port 100Mbit SFP SIC Router Module	1 year
0231A835	RT-SIC-8AS-H3	JF281A	HP 8p Async Serial Interface SIC Rtr Mod	1 year
0235A324	RT-MSR2020-AC-OVS-H3C	JF283A	HP A-MSR20-20 Multi-Service Router	1 year
0235A328	H3C MSR 30-20 Router	JF284A	HP A-MSR30-20 Multi-Service Router	1 year
0235A20P	MSR5040-DC-OVS-H3C	JF285A	HP A-MSR50-40 DC Multi-Service Router	1 year
0235A268	H3C MSR 30-40 Router Host (DC)	JF287A	HP A-MSR30-40 DC Multi-Service Router	1 year
3CR3ND2IMC	SW IMC 3ND Upgrade	JF288A	HP 3ND to IMC Upgrade License	n/a
3CREMS2IMC	SW IMC EMS Upgrade	JF289A	HP EMS to IMC Upgrade License	n/a
0231A0E8	S7500E 8-port 10G SFP+	JF290A	HP A7500 8 port 10G SFP+ Module	1 year
0231A0DL-E	H3C IMC Standard Edition Platform (100 Node), Software (CD)	JF377A	HP IMC Std S/W Platform w/100-node Lic	n/a
0231A0DM-E	H3C IMC Professional Edition Platform (100 Node), Software	JF378A	HP IMC Ent S/W Platform w/100-node Lic	n/a
3130A0CU-E	H3C IMC 100 Node License (Std & Pro)	JF379A	HP IMC Std & Ent add 100-Node License	n/a
3130A0CV-E	H3C IMC 500 Node License (Std & Pro)	JF380A	HP IMC Std & Ent add 500-Node License	n/a
3130A0CW-E	H3C IMC 1000 Node License (Std & Pro)	JF381A	HP IMC Std & Ent add 1000-Node License	n/a
3130A0CX-E	H3C IMC 5000 Node License (Std & Pro)	JF382A	HP IMC Std & Ent add 5000-Node License	n/a
3130A0CY-E	H3C IMC Unlimited Node License (Std & Pro)	JF383A	HP IMC Std & Ent add Unlimited-Node License	n/a
3130A0D0-E	H3C IMC NTA Module License, with 10 Node	JF384A	HP IMC NTA S/W Module w/10-Node License	n/a
3130A0D1-E	H3C IMC NTA License for 10 Node	JF385A	HP IMC NTA add 10-Node License	n/a
3130A0D2-E	H3C IMC NTA License for 20 Node	JF386A	HP IMC NTA add 20-Node License	n/a
3130A0D3-E	H3C IMC NTA License for 50 Node	JF387A	HP IMC NTA add 50-Node License	n/a

\*Lifetime warranty for as long as you own the product.

# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
3130A0DA-E	H3C IMC UAM Module License, with 200 Users	JF388A	HP IMC UAM S/W Module w/200-User License	n/a
3130A0DB-E	H3C IMC UAM 200 User License	JF389A	HP IMC UAM add 200-User License	n/a
3130A0DC-E	H3C IMC UAM 500 User License	JF390A	HP IMC UAM add 500-User License	n/a
3130A0DD-E	H3C IMC EAD Module License, with 200 Users	JF391A	HP IMC EAD S/W Module w/200-User License	n/a
3130A0DE-E	H3C IMC EAD 200 User License	JF392A	HP IMC EAD add 200-User License	n/a
3130A0DF-E	H3C IMC EAD 500 User License	JF393A	HP IMC EAD add 500-User License	n/a
3130A0DG-E	H3C IMC EAD 1000 User License	JF394A	HP IMC EAD add 1000-User License	n/a
3130A0DH-E	H3C IMC EAD 5000 User License	JF395A	HP IMC EAD add 5000-User License	n/a
3130A0DN-E	IMC VSM 100 Phone License	JF396A	HP IMC VSM add 100-Phone License	n/a
3130A0DP-E	IMC VSM 500 Phone License	JF397A	HP IMC VSM add 500-Phone License	n/a
3130A0DQ-E	IMC VSM 1000 Phone License	JF398A	HP IMC VSM add 1000-Phone License	n/a
3130A0DR-E	IMC VSM 5000 Phone License	JF399A	HP IMC VSM add 5000-Phone License	n/a
3130A0DX-E	H3C IMC UAM 1000 User License	JF400A	HP IMC UAM add 1000-User License	n/a
3130A0DY-E	H3C IMC UAM 5000 User License	JF401A	HP IMC UAM add 5000-User License	n/a
3130A0FG-E	IMC VSM Module License with 100 Phones	JF402A	HP IMC VSM S/W Module w/10-Phone License	n/a
3130A216-E	SW iMC BGP/MPLS VPN Manager	JF403A	HP IMC MVM BGP License	n/a
3130A217-E	SW iMC MPLS Mngr Cisco Device	JF404A	HP IMC MVM Cisco Device License	n/a
3130A218-E	SW iMC MPLS Mngr 50 Node lice	JF405A	HP IMC MVM add 50-Node License	n/a
3130A219-E	SW iMC MPLS Mngr 100 Node lice	JF406A	HP IMC MVM add 100-Node License	n/a
3130A21B-E	SW iMC MPLS Mngr 500 Node lice	JF407A	HP IMC MVM add 500-Node License	n/a
3130A0FD-E	EPP IMC QoS Mod SW	JF408A	HP IMC QoS Manager	n/a
3130A0FE-E	EPP IMC DIG SW	JF409A	HP IMC DIG Software Probe License	n/a
3130A0FF-E	EPP IMC MVM Mod SW	JF410A	HP IMC MPLS VPN Manager	n/a
3130A21C-E	EPP IMC MVM 1000 Node Lic	JF411A	HP IMC MPLS VPN Manager 1000 Node Lic	n/a
3130A21D-E	EPP IMC MVM 3000 Node Lic	JF412A	HP IMC MPLS VPN Manager 3000 Node Lic	n/a
3130A21E-E	EPP IMC MVM Unlim Node Lic	JF413A	HP IMC MPLS VPN Manger Unlimited Node Lic	n/a
3130A0D4-E	EPP IMC WSM Mod SW	JF414A	HP IMC WSM S/W Module with 50 AP License	n/a
3130A0D5-E	EPP IMC WSM 50 AP Lic	JF415A	HP IMC WSM 50 Access Point License	n/a
3130A0D6-E	EPP IMC WSM 100 AP Lic	JF416A	HP IMC WSM 100 Access Point License	n/a
3130A0D7-E	EPP IMC WSM 200 AP Lic	JF417A	HP IMC WSM 200 Access Point License	n/a
3130A0D8-E	EPP IMC WSM 500 AP Lic	JF418A	HP IMC WSM 500 Access Point License	n/a
3130A0D9-E	EPP IMC WSM 1000 AP Lic	JF419A	HP IMC WSM 1000 Access Point License	n/a
3130A0G5-E	EPP IMC MVM VPLS Lic	JF420A	HP IMC MPLS/VPN Manger Component Pack Lic	n/a
3130A0FK-E	EPP IMC UBA Module Lic	JF421A	HP IMC UBA Software Mod w 200-user Lic	n/a
3130A32T-E	EPP IMC UBA 1000 User Lic	JF422A	HP IMC UBA 1000-user License	n/a
3130A32U-E	EPP IMC UBA 2000 User Lic	JF423A	HP IMC UBA 2000-user License	n/a
3130A32V-E	EPP IMC UBA 5000 User Lic	JF424A	HP IMC UBA 5000-user License	n/a
3130A32W-E	EPP IMC UBA 10000 User Lic	JF425A	HP IMC UBA 10000-user License	n/a
0231A0HF	S12500 AC PEM	JF426A	HP A12518 PEM (Power Electrical Module)	1 year
3CR17333A-91	Switch 4210 26-Port	JF427A	HP E4210-24 Switch	lifetime
3CR545G-48-91	SWITCH 4510G 48 PORT	JF428A	HP E4510-48G Switch	lifetime
0231A0HH	S12500 2000W AC PS	JF429A	HP A12500 2000W AC Power Supply	1 year
0235A0GF	H3C S12518 Routing Switch (AC-1)	JF430B	HP A12518 Switch Chassis	1 year
0235A0GE	H3C S12508 Routing Switch (AC-1)	JF431B	HP A12508 Switch Chassis	1 year
0231A64M	MSR 50 DC PSU Module - H3C	JF443A	HP A-MSR50-60 DC Power Supply	1 year
0231A65U	S3100-SI 1PT 100MB FX MM Mdl	JF444A	HP A3100 1-port 100MB FX MM Module	lifetime
3CRC2HDC	VCX Connect 200 250G Spare Pri HD 9.0	JF559A	HP VCX CONNECT 200 250G Spr Prmy HD 9.0	1 year
3CRVH701496G	V7005 IPConf 250G Sp HDD 7.3	JF560A	HP V7005 250G IP Conf Spare HD 7.3	1 year
0235A20M	RT-MSR5060-DC-OVS-H3	JF640A	HP A-MSR50-60 Rtr Chassis w DC PwrSupply	1 year
0235A29L	RT-MSR3011-AC-OVS-H3	JF800A	HP A-MSR30-11 Multi-Service Router	1 year
0235A269	RT-MSR3060-DC-OVS-H3	JF801A	HP A-MSR30-60 DC Multi-Service Router	1 year
0235A322	RT-MSR3020-AC-POE-OVS-H3	JF802A	HP A-MSR30-20 POE Multi-Service Router	1 year
0235A323	RT-MSR3040-AC-POE-OVS-H3	JF803A	HP A-MSR30-40 POE Multi-Service Router	1 year
0235A296	RT-MSR3060-AC-POE-OVS-H3	JF804A	HP A-MSR30-60 POE Multi-Service Router	1 year
0235A398	RT-MSR2012-T-AC-OVS-H3	JF806A	HP A-MSR20-12 T1 Multi-Service Router	1 year
0235A397	RT-MSR2012-AC-OVS-W-H3	JF807A	HP A-MSR20-12 W Multi-Service Router	1 year

\*Lifetime warranty for as long as you own the product.



# 3Com product index (continued)

3Com part number	3Com description	HP product number	HP full product name	HP warranty
0235A391	RT-MSR2013-AC-OVS-W-H3	JF808A	HP A-MSR20-13 W Multi-Service Router	1 year
0235A393	RT-MSR2015-AC-OVS-IW-H3	JF809A	HP A-MSR20-15 IW Multi-Service Router	1 year
0235A0BX	H3C MSR 900 Router, 2 FE WAN, 4 FE LAN, 256DDR	JF812A	HP A-MSR900 2p FE WAN / 2p FE LAN MS Rtr	1 year
0235A0C0	H3C MSR 920 Router, 2 FE WAN, 8 FE LAN, 256DDR	JF813A	HP A-MSR920 2p FE WAN / 8p FE LAN MS Rtr	1 year
0235A0C2	H3C MSR 900 Router with 802.11b/g, 2 FE WAN, 4 FE LAN, 256DDR, 802.11b	JF814A	HP A-MSR900 2FEWAN/4FELAN/.11b/g MS Rtr	1 year
0235A0C4	H3C MSR 920 Router with 802.11b/g, 2 FE WAN, 8 FE LAN, 256DDR	JF815A	HP A-MSR920 2FEWAN/8FELAN/.11b/g MS Rtr	1 year
0235A39H	H3C MSR 30-10 Router Host(AC), 2FE, 2SIC, 1XMIM, 256DDR	JF816A	HP A-MSR30-10 2 FE /2 SIC /1 MIM MS Rtr	1 year
0235A0A8	H3C MSR 20-15 Router Host(AC), 1 FE, 4 LSW, 1 ADSLoPOTS, 1 DSIC	JF817A	HP A-MSR20-15 1FE/4LSW/ADSL0POTS/1SIC MR	1 year
0231A94A	802.11b/g/n Wireless Access Point SIC Module	JF819A	HP 802.11b/g/n Wireless AP SIC A-MSR Mod	1 year
0231A949	3G Wireless WAN Interface SIC Module Supporting GPRS/EDGE/UMTS/HSDPA	JF820A	HP 3G Wireless GSM/WCDMA WAN SIC A-MSR Mod	1 year
0231A707	2-Port ISDN-S/T Voice Interface SIC Module	JF821A	HP 2p ISDN-S/T Voice Intfc SIC A-MSR Mod	1 year
0231A884	16-Port FXS Voice Interface MIM Module	JF822A	HP 16p FXS Voice Interface MIM A-MSR Mod	1 year
0231A71B	RT-FIC-4FE-H3	JF824A	HP 4-port 10/100 RJ45 FIC A-MSR Module	1 year
04043595	RS449 Serial Port Cable, DTE, 3m	JF825A	HP X260 RS449 3m DTE Serial Port Cable	n/a
04043596	RS449 Serial Port Cable, DCE, 3m	JF826A	HP X260 RS449 3m DCE Serial Port Cable	n/a
04043597	RS530 Serial Port Cable, DTE, 3m	JF827A	HP X260 RS530 3m DTE Serial Port Cable	n/a
04043770	RS530 Serial Port Cable, DCE, 3m	JF828A	HP X260 RS530 3m DCE Serial Port Cable	n/a
0231A40B	622M SFP Transceiver, Single Mode (1310nm, 15km, LC)	JF829A	HP X120 622M SFP LC LX 15km Transceiver	1 year
0231A40D	622M SFP Transceiver, Single Mode (1310nm, 40km, LC)	JF830A	HP X120 622M SFP LC LH 40km 1310 XCVR	1 year
0231A40C	622M SFP Transceiver, Single Mode (1550nm, 80km, LC)	JF831A	HP X120 622M SFP LC LH 80km 1550 XCVR	1 year
0231A75H	100BASE-LX SFP or 1000BASE-LX SFP, Single Mode (1310nm,10km,LC)	JF832A	HP X120 100M/1G SFP LC LX Transceiver	1 year
0231A79H	100BASE-FX SFP , Multi-Mode (1310nm,2km,LC)	JF833A	HP X110 100M SFP LC FX Transceiver	1 year
0231A50R	RT-MIM-4BSV-H3	JF837A	HP 4p ISDN BRI S/T Vc Intfc MIM A-MSR Md	1 year
0231A53H	RT-MIM-8ASE-H3	JF840A	HP 8p Async Serial Intrfc MIM A-MSR Mod	1 year
0231A55Q	RT-MIM-16ASE-H3	JF841A	HP 16p Async Serial Intrfc MIM A-MSR Mod	1 year
0231A88P	2E1-F SIC Module	JF842A	HP 2-port Fractional E1 SIC A-MSR Module	1 year
04042020	CAB-T1-3m	JF843A	HP X260 T1V1 DB15M RJ45 3m Router Cable	n/a
3CRS42G-24-91	Switch 4210-24G	JF844A	HP E4210-24G Switch	lifetime
3CRS42G-48-91	Switch 4210-48G	JF845A	HP E4210-48G Switch	lifetime
3CRS42G-24P-91	Switch E4210-24G-PoE	JF846A	HP E4210-24G-PoE Switch	lifetime
3CRS45G-24-91	Switch E4510-24G	JF847A	HP E4510-24G Switch	lifetime
0235A0E5	HP A5210-24G-HPoE SI Switch	JG091A	HP A5210-24G-PoE+ SI Switch	lifetime
0235A0E3	HP A5210-24G-PoE SI Switch	JG092A	HP A5210-24G-PPoE+ SI Switch	lifetime
0231A0G1	SFP+/CR 5m Cable	JG081B	HP SFP+/CR 5m Cable	n/a
3130A21H	SW IMC 100 node lice	JF207A	HP SW IMC 100 node Lic	n/a
0235A0GC	H3C SR8802 10G Core Router Chassis	JC147B	HP A8802 Router Chassis	1 year
0231A0NP	Route 1-Port OC-3 POS FIC	JD581B	HP 1-Port OC-3 POS FIC A-MSR Module	1 year

\*Lifetime warranty for as long as you own the product.





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