### CISCO1941/K9 Datasheet

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### Overview

The Cisco 1941 Router, modular router, is designed for branch offices.

### **Quick Specs**

Figure 1 shows the front view of Cisco Router 1941/K9.



Table 1 shows the Quick Specs of the CISCO1941/K9.

Product Code	CISCO1941/K9
Rack Units	2 RU
Interfaces	2 integrated 10/100/1000 Ethernet ports: GE0/0&GE0/1
Expansion Slot(s)	2 enhanced High-Speed WAN Interface Card slots 1 Internal Services Module slot
RAM	512 MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)
Dimensions	34.3 cm x 29.2 cm x 8.9 cm
Package Weight	10.48 Kg

#### **Product Details**

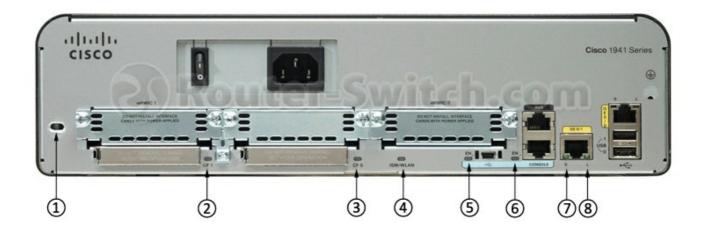
Figure 2 shows the statue LEDs, on the front panel of the 1941/K9, including three statues: SYS, ACT and PoE.



Table 2 shows the front panel LEDs area description.

LED	Color	Description
	Solid green	Solid green indicates normal operation.
SYS	Blinking green	System is booting or is in ROM monitor mode.
010	Amber	System error.
	Off	Power is off or system board is faulty.
ACT	Green	Solid or blinking when any packets are transmitted or received on any WAN or LAN, or when monitoring system activity.
PoE	Green	PoE is available.
, OL	Amber	Power supply is not supplying PoE power.

Figure 3 shows the back panel of this router with LEDs.



Note:

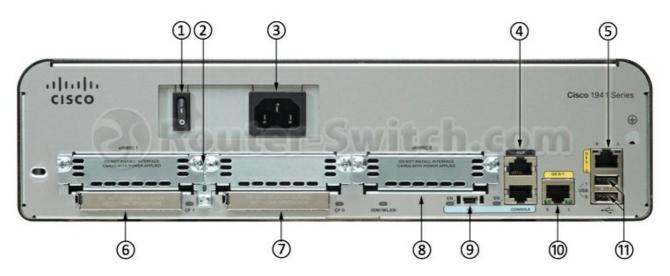
(1)	Kensington security slot	(5)	EN (Enable USB console)
(2)	CF 1	(6)	EN (Enable RJ-45 console)
(3)	CF 0	(7)	S (Speed)
(4)	ISM or WLAN	(8)	L (Link)

Table 3 shows the back panel LEDs area description.

	LED	Color	Description	Location
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	Green	Flash memory is busy.		
CF 1	Amber	Initialized with error.	Back Panel	
	Blinking Green then turns off	CompactFlash is ready for removal.		
	Green	Flash memory is busy.	Back Panel	
CF 0	Amber	Initialized with error.		
	Blinking Green then turns off	CompactFlash is ready for removal.		
	1 blink + pause	GE port operating at 10 Mb/s.		
S (Speed)	2 blink + pause	GE port operating at 100 Mb/s.	Back Panel	
	3 blink + pause	GE port operating at 1000 Mb/s.		
L (Link)	Green	GE link is established.	Back Panel	
	Off	No GE link is established.		
EN (RJ-45 console port)	Green	The RJ-45 console port is active.	Back Panel	
EN (USB serial console port)	Green	The USB console port is active.	Back Panel	

Figure 4 shows the ports and slots on the back panel of Cisco 1941/K9.



#### Note:

(1)	On/Off switch	(7)	Compact flash 2
(2)	HWIC slot 1	(8)	HWIC slot 2
(3)	Input power connector	(9)	USB serial port
(4)	AUX port	(10)	GE 0/1
(5)	GE 0/0	(11)	USB ports
(6)	Compact flash 1		

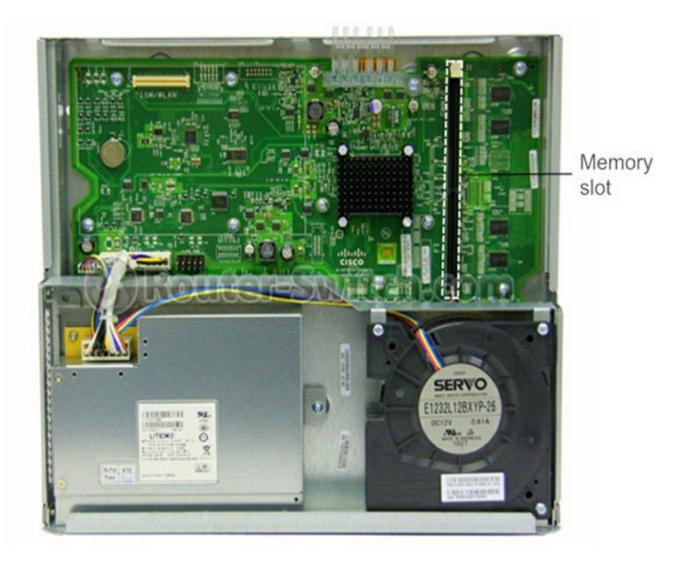
-Cisco 1941/K9 supports 2 integrated EHWIC slots for flexible configurations. It supports two modules: 1 double wide HWIC-D or single wide EHWIC/HWIC module or a 2nd single wide E-HIC/HWIC module.

·2 high-speed USB 2.0 ports enable another mechanism secure token capabilities and storage.

•The 1941 has 2 external Compact Flash slots supporting to extend up to 8GB.

#### Figure 5 shows the internal view of the Cisco 1941.

There is a blank Memory slot inside the device, supporting to extend memory.



### **Modularity Features**

The Cisco 1941 provides significantly enhanced modular capabilities offering investment protection for customers.

Table 4 shows interfaces and modules for this router.

Models	Description
ISM-SRE-300-K9	Internal Services Module (ISM) with Services Ready Engine
MEM-CF-256U1GB	256MB to 1GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEM-CF-256U2GB	256MB to 2GB Compact Flash Upgrade for Cisco 1900,2900,3900
MEM-CF-256U512MB	256MB to 512MB CF Upgrade for Cisco 1900,2900,3900 ISR
MEM-CF-256U4GB	256MB to 4GB Compact Flash Upgrade for Cisco 1900,2900,3900
EHWIC-1GE-SFP-CU	Cisco 1900, 2900, 3900 Router EHWIC WAN Card EHWIC-1GE-SFP-CU
EHWIC-4ESG	Four port 10/100/1000 Base-TX Gigabit Ethernet switch interface card for Cisco 1900 2900 3900 Routers
HWIC-2FE	HWIC two routed port Cisco Router High-Speed WAN Interface card
HWIC-1T	1-Port Serial WAN Interface Card Cisco Router High-Speed WAN Interface card
HWIC-2T	2-Port Serial WAN Interface Card Cisco Router High-Speed WAN Interface card
VWIC3-1MFT-T1/E1	Cisco Voice/WAN Card VWIC3-1MFT-T1/E1
VWIC3-2MFT-T1/E1	Cisco Voice/WAN Card VWIC3-2MFT-T1/E1
VWIC3-1MFT-G703	Cisco Voice&WAN T1/E1 interface moudle VWIC3-1MFT-G703

#### **The Licenses**

The Cisco 1941/K9 router supports IOS Technology Package Licenses.

Table 5 shows the models of these licenses.

Licenses	Description
L-SL-19-DATA-K9	Cisco 1900 IOS License L-SL-19-DATA-K9= Data E-Delivery PAK for Cisco 1900
L-SL-19-SEC-K9	Security License for Cisco 1900
L-SL-19-APP-K9	AppX License with; DATA and WAAS for Cisco 1900 Series

### **Compare to Similar Routers**

Table 6 shows the comparison between Cisco 1921 router and 1941 router.

Model	CISCO1921/K9	CISCO1941/K9
Interface	w/2 GE	2 GE
EHWIC slot	2	2
ISM Slot	0	1
Memory	512 MB (installed) / 512 MB (max)	512 MB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 256 MB (max)	256 MB (installed) / 8 GB (max)
Rack Unit	1U	2U

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# Specification

	CISCO1941/K9 Specification		
	Main Specs		
Manufacturer	Cisco Systems, Inc		
Manufacturer Part Number	CISCO1941/K9		
Product Type	Router		
Form Factor	External - modular - 2U		
Dimensions (WxDxH)	34.3 cm x 29.2 cm x 8.9 cm		
Weight	5.8 kg		
DRAM Memory	512 MB (installed) / 2 GB (max)		
Flash Memory	256 MB (installed) / 8 GB (max)		
Routing Protocol	OSPF, IS-IS, BGP, EIGRP, DVMRP, PIM-SM, IGMPv3, GRE, PIM-SSM, static IPv4 routing, static IPv6 routing		

International Construction         Product Transport Protocol           Network / Transport Protocol         SMPP, FMON           Prestures         Cisco IOS IP Rase, ifewall protocol, VPN support, MPLS support, SAvidg support, IPVB support, Class- Based Velipited Fair Curving (CEWPC), Weighted Handom Exry Detection (WHED)           Compliant Standards         IEEE 602. Jan. IEEE 602. Ian. IEEE 602. Ian.           Prever         Services and Stot Density           Fresholded hardware based onypo occoleration         Ym           Tradit Orbeard LAN 10/100/1000         2           SP Assach Peris         0           SP Based Peris         0           SM Stals         0           Double Wide SM Stote         2           ENWIC Stote Just of a doublewide ENWIC Stote Just of a doublewide Stot 1 f or an ibote Just of a doublewide ENWIC Stote			
Index Management Protocol         SMMP, TMOM           Preatures         Gisca XS IP. Dates, fierwall protection, VPM support, MPLS support, Systeg support, IPM support, Cales           Compliant Standards         IEEE 802.1ah, IEEE 802.1ah, IEEE 802.1ah           Pener         Sci XOS V (Sono IL-           Enclandard Indivatives         Services and Stot Density           IPME         Services and Stot Density           Total Orocoad LAN 10100/1000         2           SFR Standard Ports         0           SFR Standard Ports         0           Dauble Vote SM Stots         0           Dauble Vote SM Stots         2           Dauble Vote SM Stots         0           Dauble Vote SM Stots         2           Dauble Vote SM Stots         1           Dauble Vote SM S	Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet	
Image         Construction         Construction <thconstruction< th="">         Construction</thconstruction<>	Network / Transport Protocol	IPSec	
Presides         Based WegInted Fair Oueuing (CBWFO), WeigInted Fanct Oueuing (CBWFO), WeigInted Fan	Remote Management Protocol	SNMP, RMON	
Prover         AC 120230 V ( 50/60 Hz           Bervices and Slot Density           Import Slot Density         Via           Trail Orboard LAN 101001000         2           RJ 45 Based Porls         2           SPIPBased Porls         0           SI 501         0           Double-Wide SM Soits         1           Donget Flash (esternal) - Maximum         1 <td>Features</td> <td></td>	Features		
Services and Slot Density           Embedded hardware-based crypto acceleration (PBec + SSI,)         Yes           Total Onboard LAN 1001001000         2           RJ 45 Based Ports         2           SKF Jeased Ports         0           Double Wide SM Stols         10           Stols         10           Stols         10           Double Wide SM Stols         10           Stols         10           Stols         10           Optimet Wide Strikt Comparison Code [ECG] ECG         Stols           Organizet Flash (external) - Maximum         20           Stols         1           Compart Flash (external) - Maximum         20           Stols         1           Stols         1           Stols         1           Stols Concole Port (typ to 115.2 Mops)         1 <td>Compliant Standards</td> <td>IEEE 802.3ah, IEEE 802.1ah, IEEE 802.1ag</td>	Compliant Standards	IEEE 802.3ah, IEEE 802.1ah, IEEE 802.1ag	
Impedded hardware-based crypter accoloration         Yes           Total Onboard LAN 10/100/1000         2           RJ 45 Based Ports         2           SFP-Based Ports         0           SFP-Based Ports         0           Stots         0           Double-Wde SM Stots         0           Double-Wde SM Stots         0           Double-Wde SM Stots         0           Double-Wde SM Stots         10           Double-Wde SM Stots         10           Double-Wde SM Stots         10           Double-Wde SM Stots         10           Stots         10           Double-Wde SM Stots         10           Double-Wde SM Stots         10           Stots         10           Stots         10           Stots         10           Stots         10           Stots         10           Compact Flash (external) - Maximum         Stot - 256 MB stot 1: rone           Compact Flash (external) - Maximum         Stot - 256 MB stot 1: rone           Stot - 256 MB         1           Stot - 256 MB         1           Stotal Contole Port (Type B) (up tot 15.2 kbp)         1           Stotal Contole Port (type 115.2 kbp)<	Power	AC 120/230 V ( 50/60 Hz	
(PBse + SB.)         PBs           Total Onboard LAN 10/100/1000         2           RJ-45-Based Ports         2           SFP-Based Ports         0           SM Slots         0           Double-Wide EHWIC slots (use of a double-wide EHWIC slot will consume two EHWIC slots)         1           SM Slots         1(0 on the Cisco 194 TW)           Memory (DDR2 Ercr Correction Code [ECC] ECC BRAMA) - Default         20 GB           Campact Flash (external) - Maximum         slot 0: 250 MB slot 1: 4 GB           Slot 0: 250 MB slot 1: 4 GB         slot 0: 250 MB slot 1: 4 GB           Campact Flash (external) - Maximum         slot 0: 4 GB slot 0: 4 GB           Slot 0: 250 MB         slot 0: 250 MB           Slot 0: 250 MB         slot 0: 250 MB           Slot 0: 250 MB         slot 0: 250 MB           Slot 0: 250 MB         slot 0: 4 GB           Slot 0: 14 GB         slot 0: 4 GB           Slot 0: 14 GB         slot 0: 4 GB           Slot 0: 152 Mps         1           Serial Console Port (up to 1152		Services and Slot Density	
Al-B-Based Ports         2           SPP-Based Ports         0           SM Stols         0           Double Wide SMS Stols         0           Double Wide EHWIC stols (use of a double wide Wile Citati wile consume two EHWIC stols)         1           SM Stols         10 on the Cisco 1941W)           Memory (DDR2 ECO CRAM) - Maximum         20.08           Compact Flash (external) - Default         Stol 0: 266 MB           Compact Flash (external) - Default         Stol 0: 266 MB           Stols 1: none         Stol 0: 266 MB           Stols 1: none         Stol 0: 266 MB           Compact Flash (external) - Default         Stol 0: 266 MB           Stols 1: none         Stol 0: 266 MB           Stol 0: 260 MB         Stol 0: 260 MB           Stol 0: 260 MB         Stol 0: 260 MB           Stole 0: 260 MB         Stol 0: 260 MB	Embedded hardware-based crypto acceleration (IPSec + SSL)	Yes	
SPP-Based Ports         0           SM Stots         0           Double-Wide SM Stots         0           Double-Wide SM Stots         0           EHWIC Stots         2           Double-Wide SM Stots         1           Stots Stots         1           Memory (DDR Z ECC DRAM) - Maximum         2           Stots 1: none         2           Compact Flash (external) - Maximum         2           Stots 1: none         2           USB Console Port (type B) (up to 115.2 kbps)         1           Stotal Auxiliary Port (up to 115.2 kbps)         1           Redundant Power Supply Su	Total Onboard LAN 10/100/1000	2	
SM Slois         0           Double-Wide SM Slois         0           Double-Wide SM Slois         0           EHWIC Slois         2           Double-Wide EHWIC slois (see of a double-wide EHWIC Slois will consume two EHWIC slois)         1           SISM Slois         100 on the Claco 1941W)           SISM Slois         100 on the Claco 1941W)           Mamory (DDR2 Error Correction Code [ECC] ECC         512 MB           Organder Flash (external) - Maximum         2.0 GB           Compact Flash (external) - Maximum         3iot 0: 256 MB sloi 1: none           Compact Flash (external) - Maximum         3iot 0: 4 GB           Compact Flash (external) - Maximum         3iot 0: 4 GB           Stor 1: 4 GB         3iot 1: 4 GB           Compact Flash (external) - Maximum         1           Stor 1: 4 GB         1           Compact Flash (external) - Maximum         1           Stor 1: 4 GB         1           Stor 2: 5 MB         1           Stor 1: 4 GB         1           Stor 1: 4 GB         1           Stor 2: 5 MB         1	RJ-45-Based Ports	2	
Double Wide SM Slots         0           Double-Wide SM Slots         2           EHWIC Slots         2           Double-Wide EHWIC slots (use of a double-wide EHWIC slot will consume two EHWIC slots)         1           Slots         1 (0 on the Cisco 1941W)           Slots Sols         1 (0 on the Cisco 1941W)           Memory (DDR2 Eror Correction Code [ECC]ECC EDRAM) - Detault         510 0.256 MB slot 1: 266 MB slot 1: 266 MB slot 1: 4 GB           Compact Flash (external) - Detault         slot 0: 256 MB slot 1: 4 GB           Sols Console Port (Type B) (up to 115.2 kbps)         1           Stati Console Port (up to 115.2 kbps)         1           Stati Console Port (up to 115.2 kbps)         1           Stati Console Port (up to 115.2 kbps)         1           ACI Port Coursent Port (up to 115.2 kbps)         1           Acid Port Supply Options         AC POE           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory slote (Type A)         10-240 V ~           Return USB flash memory	SFP-Based Ports	0	
EHWIC Slots         2           Dauble-Wild EHWIC slots (use of a doublewide EHWIC slot will consume two EHWIC slots)         1           Slots         1 (0 on the Cisco 1941W)           Memory (DER2 Error Correction Code [ECCI] Co EADA) - Default         512 MB           Memory (DER2 ECC DRAM) - Maximum         2.0 GB           Compact Flash (external) - Default         slot 0: 256 MB slot 1: none           Compact Flash (external) - Maximum         2           Slot 0: 4 GB slot 1: 4 GB         slot 0: 4 GB slot 1: 4 GB           External USB flash memory slots (Type A)         2           Serial Console Port (Type B) (up to 115.2 kbps)         1           Serial Console Port (up to 115.2 kbps)         1           Serial Console Port (up to 115.2 kbps)         1           Redundant Power Supply Options         AC. POE           Redundant Power Supply Support         100-240 V ~           AC Input Voltage         100-240 V ~           AC Input Voltage         100-240 V ~           AC Input Surge Current         15-0.6	SM Slots	0	
Double-Wide EHWIC slots (use of a double-wide EHWIC slot will consume two EHWIC slots)         1           Double-Wide Slots (use of a double-wide EHWIC slot will consume two EHWIC slots)         1 (0 on the Cisco 1941W)           ISM Slots         1 (0 on the Cisco 1941W)           Memory (DDR2 Error Correction Code [ECC] ECC EAM) - Default         512 MB           Compact Flash (external) - Maximum         2.0 GB           Compact Flash (external) - Default         slot 0 · 256 MB slot 1 · 1 cons           Sold 0 · 256 MB slot 1 · 1 cons         slot 0 · 4 GB slot 1 · 4 GB           External USB flash memory slots (Type A)         2           USB Console Port (up to 115.2 kbps)         1           Serial Auxiliary Port (up to 115.2 kbps)         1           Power Supply Options         AC, POE           Redundant Power Supply Support         No           Compact Flage (eurent)         400 · 4 GB           AC Input Vottage         1           Power Supply Options         1           Serial Auxiliary Port (up to 115.2 kbps)         1           Redundant Power Supply Support         No           AC Input Vottage         100-240 V ~           AC Input Vottage         10-240 V ~           AC Input Vottage         10-240 V ~           AC Input Lourent range AC Power Supply (Max)         15-0.6 <td>Double-Wide SM Slots</td> <td>0</td>	Double-Wide SM Slots	0	
EHWIC slot will consume two EHWIC slots)       1 (0 on the Cisco 1941W)         ISM Slots       1 (0 on the Cisco 1941W)         Memory (DDP2 Error Correction Code [ECC] ECC       512 MB         Ormpact Flash (external) - Maximum       2.0 GB         Compact Flash (external) - Default       slot 0: 256 MB slot 1: none         Compact Flash (external) - Maximum       slot 0: 4 GB slot 0: 4 GB         Compact Flash (external) - Maximum       slot 0: 4 GB slot 1: 4 GB         External USB flash memory slots (Type A)       2         Serial Console Port (Type B) (up to 115.2 kbps)       1         Serial Auxiliary Port (up to 115.2 kbps)       1         Serial Auxiliary Port (up to 115.2 kbps)       AC. POE         Redundant Power Supply Options       AC. POE         Acd Input Yottage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Frequency       1,5-0.6         AC Input Surge Current       <50 A	EHWIC Slots	2	
Mamory (DDR2 Enror Correction Code [ECC]EC         512 MB           Memory (DDR2 ECC DRAM) - Maximum         2.0 GB           Compact Flash (external) - Default         slot 0: 256 MB slot 1: none           Compact Flash (external) - Maximum         slot 0: 4 GB slot 1: 4 GB           Compact Flash (external) - Maximum         slot 0: 4 GB slot 0: 4 GB           DSB Console Port (Type B) (up to 115.2 kbps)         1           Serial Console Port (up to 115.2 kbps)         1           Serial Auxiliary Port (up to 115.2 kbps)         1           Power Supply Options         AC, POE           Redundant Power Supply Support         No           AC Input Voltage         10-240 V ~           AC Input Voltage         10-240 V ~           AC Input Frequency         47-63 Hz           AC Input Surge Current         50-0 6	Double-Wide EHWIC slots (use of a double-wide EHWIC slot will consume two EHWIC slots)	1	
DRAM) - Default     D12 MB       Memory (DDR2 ECC DRAM) - Maximum     2.0 GB       Compact Flash (external) - Default     slot 0: 256 MB slot 1: none       Compact Flash (external) - Maximum     slot 0: 4 GB slot 1: 4 GB       External USB (tash memory slots (Type A)     2       USB Console Port (Type B) (up to 115.2 kbps)     1       Serial Auxiliary Port (up to 115.2 kbps)     1       Serial Auxiliary Port (up to 115.2 kbps)     1       Power Supply Options     AC, POE       Redundant Power Supply Support     No       AC Input Voltage     100-240 V~       AC Input Frequency     47-63 Hz       AC Input Surge Current     -50 A	ISM Slots	1 (0 on the Cisco 1941W)	
Compact Flash (external) - Default       slot 0: 256 MB         Compact Flash (external) - Maximum       slot 0: 24 GB         Store Flash (external) - Maximum       slot 0: 24 GB         External USB flash memory slots (Type A)       2         USB Console Port (Type B) (up to 115.2 kbps)       1         Serial Console Port (up to 115.2 kbps)       1         Serial Console Port (up to 115.2 kbps)       1         Serial Auxiliary Port (up to 115.2 kbps)       1         Power Supply Options       AC, POE         Redundant Power Supply Support       No         AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Gurrent range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       50 A	Memory (DDR2 Error Correction Code [ECC] ECC DRAM) - Default	512 MB	
Compact Flash (external) - Default       slot 0: 4 GB         Compact Flash (external) - Maximum       slot 0: 4 GB         Set 1: 4 GB       slot 0: 4 GB         Lternal USB flash memory slots (Type A)       2         USB Console Port (Type B) (up to 115.2 kbps)       1         Serial Console Port (up to 115.2 kbps)       1         Serial Auxiliary Port (up to 115.2 kbps)       1         Power Supply Options       AC, POE         Redundant Power Supply Support       No         AC Input Voltage       100-240 V ~         AC Input Vrequency       47-63 Hz         AC Input Current range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       <50 A	Memory (DDR2 ECC DRAM) - Maximum	2.0 GB	
Compact Flash (external) - Maximum     slot 1: 4 GB       External USB flash memory slots (Type A)     2       USB Console Port (Type B) (up to 115.2 kbps)     1       Serial Console Port (up to 115.2 kbps)     1       Serial Auxiliary Port (up to 115.2 kbps)     1       Power Supply Options     AC, POE       Redundant Power Supply Support     No       AC Input Voltage     100-240 V ~       AC Input Frequency     47-63 Hz       AC Input Current range AC Power Supply (Max) (Amps)     1.5-0.6	Compact Flash (external) - Default		
USB Console Port (Type B) (up to 115.2 kbps)     1       Serial Console Port (up to 115.2 kbps)     1       Serial Auxiliary Port (up to 115.2 kbps)     1       Power Supply Options     AC, POE       Redundant Power Supply Support     No       Power Specifications       AC Input Voltage     100-240 V ~       AC Input Frequency     47-63 Hz       AC Input Current range AC Power Supply (Max)     1.5-0.6       AC Input Surge Current     <50 A	Compact Flash (external) - Maximum		
Serial Console Port (up to 115.2 kbps)       1         Serial Auxiliary Port (up to 115.2 kbps)       1         Power Supply Options       AC, POE         Redundant Power Supply Support       No         AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Supply (Max)       1.5-0.6         AC Input Supple Current	External USB flash memory slots (Type A)	2	
Serial Auxiliary Port (up to 115.2 kbps       1         Power Supply Options       AC, POE         Redundant Power Supply Support       No         AC Input Voltage       100-240 V~         AC Input Frequency       47-63 Hz         AC Input Surge Current       15-0.6         AC Input Surge Current       <50 A	USB Console Port (Type B) (up to 115.2 kbps)	1	
Power Supply Options       AC, POE         Redundant Power Supply Support       No         Power Specifications         AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Current range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       <50 A	Serial Console Port (up to 115.2 kbps)	1	
Redundant Power Supply Support       No         Power Specifications         AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Current range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       <50 A	Serial Auxiliary Port (up to 115.2 kbps	1	
Power Specifications         AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Current range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       <50 A	Power Supply Options	AC, POE	
AC Input Voltage       100-240 V ~         AC Input Frequency       47-63 Hz         AC Input Current range AC Power Supply (Max) (Amps)       1.5-0.6         AC Input Surge Current       <50 A	Redundant Power Supply Support	No	
AC Input Frequency       47-63 Hz         AC Input Current range AC Power Supply (Max)       1.5-0.6         AC Input Surge Current       <50 A	Power Specifications		
AC Input Current range AC Power Supply (Max) (Amps) 1.5-0.6 AC Input Surge Current  	AC Input Voltage	100-240 V ~	
(Amps)     1.5-0.6       AC Input Surge Current     <50 A	AC Input Frequency	47-63 Hz	
	AC Input Current range AC Power Supply (Max) (Amps)	1.5-0.6	
Typical Power (No Modules) 35 W	AC Input Surge Current	<50 A	
	Typical Power (No Modules)	35 W	

Maximum Power capacity with AC power supply	110 W	
Maximum Power capacity with PoE power supply (platform only)	110 W	
Maximum PoE device power capacity with PoE power supply	80 W	
	Physical Specifications	
Dimensions (H x W x D)	3.5 in x 13.5 in x 11.5 in (34.3 cm x 29.2 cm x 8.9 cm)	
Rack Height	2 RU	
Rack-mount 19in. (48.3 cm) EIA	Included	
Wall-mount (refer to installation guide for approved orientation)	Yes	
Package Weight	23.1 lbs (10.48 Kg)	
Weight-with AC power supply (no modules)	12 lbs(5.44 Kg)	
Weight-with POE power supply (no modules)	12.8 lbs (5.8 Kg)	
Maximum Weight-Fully Configured	14 lbs (6.35 Kg)	
Airflow	Front to Side	
	Environmental Specifications	
	Operating Condition	
Temperature-5906 feet (1800 m) max. altitude	0-40°C (32-104°F)	
Temperature-9843 feet (3000 m) max. altitude	0-25°C (32-77°F)	
Altitude	3000 m (10000 ft)	
Humidity	10 to 85% RH	
Acoustic: Sound Pressure (Typ/Max)	26/46 dBA	
Acoustic: Sound Power (Typ/Max)	36/55 dBA	
Transportation/Storage Condition		
Temperature	-40 - 70 oC (-40 - 158 oF)	
Humidity	5 to 95%RH	
Altitude	4570m (15000 ft)	
Regulatory Compliance		
Safety	UL 60950-1 CAN/CSA C22.2 No. 60950-1 EN 60950-1 AS/NZS 60950-1 IEC 60950-1	

EMC	47 CFR, Part 15 ICES-003 Class A EN55022 Class A CISPR22 Class A AS/NZS 3548 Class A VCCI V-3 CNS 13438 EN 300-386 EN 61000 (Immunity) EN 55024, CISPR 24 EN50082-1
Telecom	TIA/EIA/IS-968 CS-03 ANSI T1.101 ITU-T G.823, G.824 IEEE 802.3 RTTE Directive

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