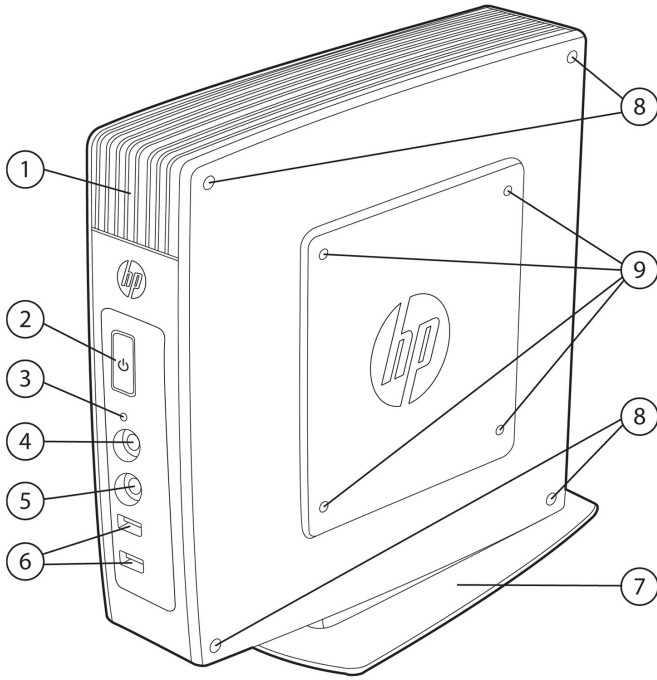
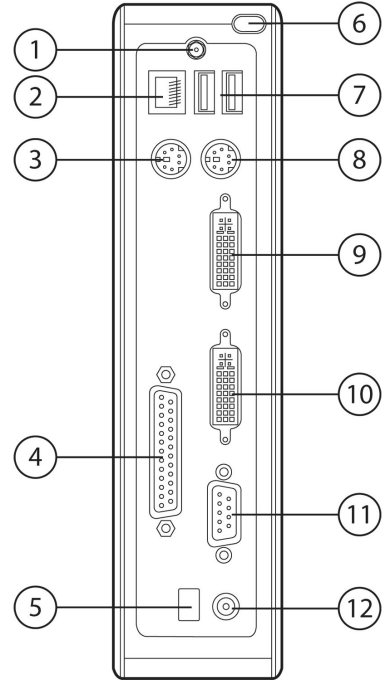


Overview



Front

1. Secure USB compartment (2 USB connectors)
2. Power button with LED
3. Flash storage activity indicator
4. Audio connector (mic in)
5. Audio connector (headphone out)
6. USB connectors (2)
7. Vertical stand (removable)
8. Insertion points for self-adhesive, horizontal positioning feet
9. VESA mounting points (4)



Back

1. Integrated wireless Ethernet antenna connector (available on some models)
2. 10/100/1000 Ethernet RJ-45 connector
3. PS/2 mouse connector
4. Parallel port
5. Power cord retention slot
6. Cable routing from secure USB compartment
7. USB connectors (2)
8. PS/2 keyboard connector
9. DVI-D connector
10. DVI-I connector
11. Serial Port
12. +19V DC power input

Overview

Hardware features:

- VIA Nano u3500 1 GHz processor for great performance
- VIA VX900 chipset
- 2 GB 800 MHz DDR3 RAM (128 MB reserved for video)
- 4 GB Flash memory provides ample storage for applications and drivers
- 6 USB 2.0 ports
- Secure USB compartment is ideal for protecting USB wireless and USB Flash devices or for securing USB keyboard and mouse)
- Legacy support includes parallel, serial, and PS/2 connections
- Built in dual monitor support (DVI-I and DVI-D native, with DVI-I-to-VGA adapter included in carton)
- ENERGY STAR® qualified and EPEAT® registered
- BFR/PVC free
- Contains over 10% post-consumer recycled plastics (by weight)

Software features:

- Highly extensible Windows Embedded Standard 7 OS with support for Remote FX and local applications
- Excellent rich multimedia experience and enhanced USB device support in blade PC and VDI environments
- Enhanced Write Filter and File-Based Write Filter provide complete flexibility to protect the entire Flash disk, or configure areas of the disk for persistent access by local applications
- HP TeemTalk Terminal Emulator enables connection and communication with applications on mainframes and midrange systems
- HP Easy Tools:
 - The HP Easy Update utility that makes it quick and easy to identify and choose the latest image and add-on settings helping get up, running and productive faster than ever before.
 - And more features coming soon (Use HP Easy Update to download an updated and enhanced version of HP Easy Tools starting late February 2011)
 - Enterprise class HP Device Manager, lets you remotely manage devices from a central location
 - Support for HP Client Automation for quick and easy deployment of images and thin client management
- HP Universal Print Driver (available as an add-on) provides instant access to a range of HP print devices without downloading separate drivers. Additional information can be found at: <http://www.hp.com/go/upd>.
- Improved Quality of Experience for End User using HP Velocity
 - Available only on HP thin clients
 - HP Velocity enables IT managers to monitor network activity and optimize end-user experience
 - HP Velocity intelligently reduces network packet loss and retransmissions providing a better experience for the end user

Warranty:

- HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services extend service contracts beyond your standard warranties. For more details visit: <http://www.hp.com/go/lookuptool>.

¹ HP t5570e thin clients are brominated flame retardant and polyvinyl chloride free (BFR/PVC-free); meeting the evolving definition of "BFR/PVC-free" as set forth in the "INEMI Position Statement on the 'Definition of Low-Halogen Electronics (BFR/CFR/PVC-Free).'" Plastic parts contain <1,000 ppm (0.1 percent) of bromine (if the Br source is from BFRs) and <1,000 ppm (0.1 percent) of chlorine (if the Cl source is from CFRs or PVC or PVC copolymers). All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total <1,500 ppm (0.15 percent) with a maximum chlorine of 900 ppm (0.09 percent) and maximum bromine being 900 ppm (0.09 percent). Service parts after purchase may not be BFR/PVC-free. External power supply, power cords, keyboard, mouse, and DVI-to-VGA adapter are not BFR/PVC free

Models

A1W84AA#XXX	Processor	VIA Nano superscalar u3500 1 GHz
	Operating System	Microsoft Windows Embedded Standard 7
	Flash Memory	4 GB
	System Memory	2 GB (128 MB reserved for video)
	Graphics	VIA ChromotionHD 2.0 Integrated Graphics Processor (in VIA VX900 chipset)
	Keyboard	Keyboard (USB or PS/2) varies by region
	Mouse	Mouse (USB or PS/2) varies by region
	Side Panels	Standard 100 mm VESA mounting holes

A1W485AA#XXX	Processor	VIA Nano superscalar u3500 1 GHz
	Operating System	Microsoft Windows Embedded Standard 7
	Flash Memory	4 GB
	System Memory	2 GB (128 MB reserved for video)
	Graphics	VIA ChromotionHD 2.0 Integrated Graphics Processor (in VIA VX900 chipset)
	Integrated Wireless¹	Atheros 802.11 a/b/g/n Wi-Fi adapter with dual-band multi-position adjustable external antenna
	Keyboard	Keyboard (USB or PS/2) varies by region
	Mouse	Mouse (USB or PS/2) varies by region
	Side Panels	Standard 100 mm VESA mounting holes

¹ A standard WLAN (Wi-Fi) infrastructure with wireless access points is required and is not included.

Technical Specifications

OPERATING SYSTEM

Microsoft® Windows® Embedded Standard 7
Service Pack 1

PROCESSOR / CHIPSET

VIA Nano u3500 1 GHz
VIA VX900 Media System Processor north/south bridge unified chip

GRAPHICS

VIA ChromotionHD 2.0 Integrated Graphics Processor

Mode	Refresh Rates (Single Monitor)	Color Depth
640 x 480	60, 72, 75, 85 Hz	8, 16, 32 bit
800 x 600	60, 72, 75, 85 Hz	8, 16, 32 bit
848 x 480	60, 75, 85 Hz	8, 16, 32 bit
1024 x 480	60 Hz	8, 16, 32 bit
1024 x 768	60, 70, 72, 75, 85 Hz	8, 16, 32 bit
1280 x 720	60, 75, 85 Hz	8, 16, 32 bit
1280 x 768	60 Hz	8, 16, 32 bit
1280 x 1024	60, 75, 85 Hz	8, 16, 32 bit
1360 x 768	60 Hz	8, 16, 32 bit
1368 x 768	60, 75, 85 Hz	8, 16, 32 bit
1400 x 1050	60, 75, 85 Hz	8, 16, 32 bit
1440 x 900	60, 75, 85 Hz	8, 16, 32 bit
1600 x 1200	60, 75, 85 Hz	8, 16, 32 bit
1680 x 1050	60, 75 Hz	8, 16, 32 bit
1920 x 1080	60, 75 Hz	8, 16, 32 bit
1920 x 1200	60, 75, 85 Hz	8, 16, 32 bit

NOTE: The table represents a sample of possible modes that this controller is capable of displaying but various factors such as the capability and EDID info returned by the attached monitor, the interface used (DVI-I or DVI-D), and dual monitor mode may limit the availability of modes, color depth, and or refresh rate.

INPUT/OUTPUT (peripheral support)

Keyboard	Keyboard (USB or PS/2) varies by region.
Mouse	Mouse (USB or PS/2) varies by region.
Printer	Local and/or network printers (RDP, ICA, LPD)
Video	DVI-I & DVI-D digital video output (plus included DVI-I-to-VGA adapter)

AUDIO



Technical Specifications

Output	Internal amplified speaker 1/8-inch mini-jack, 24-bit stereo, 192-kHz sample rate
Input	1/8-inch microphone mini-jack, 20-bit stereo, 96-kHz sample rate

HARDWARE SECURITY

Security lock slot (cable lock sold separately)
Secure USB compartment with 2 USB 2.0 ports

NETWORKING

10/100/1000 Gigabit Ethernet (RJ-45)
TCP/IP with DNS and DHCP
Point-to-Point Protocol (PPP)
Point-to-Point over Ethernet (PPPoE)
Point-to-Point Tunneling Protocol (PPTP)
Layer-2 Tunneling Protocol (L2TP)
Wake on LAN (WOL)
PXE
Server Network Time Protocol (SNTP)

WIRELESS LAN (select models)

Adapter	Atheros 802.11a/b/g/n WIFI Adapter
Form Factor	PCI-Express Half Mini Card
Security⁷	Supports 64- and 128-bit WEP, WPA, WPA2, AES, TKIP, 802.1x authentication types EAP-TLS, EAP-TTLS, EAP-PEAP, EAP-FAST, LEAP

I/O PORTS & CONNECTORS

6 USB 2.0 (two in front, four in rear, two in secure USB compartment)
1 Serial
1 Parallel
2 PS/2
1 RJ-45
1 DVI-I
1 DVI-D
1 DVI-I to VGA adapter included in carton

SERVER OS COMPATIBILITY/SUPPORT

Citrix XenApp 5 and 6
Citrix XenDesktop 3 and 4
Citrix Presentation Server 4.0
Windows Server 2008 Terminal Services
Windows 2000/2003 Server families; Windows 2000/2003 Server Terminal Services
VMware Virtual Desktop Infrastructure using RDP

Technical Specifications

SOFTWARE

Operating System	Microsoft Windows Embedded Standard 7 SP1 (preinstalled)								
Protocols	Microsoft RDP 7.1 (with RemoteFX) Citrix Online Plugin 13								
Protocol clients	Citrix Receiver 3/Online Plug-in 13 VMware Horizon View 4.6 HP TeemTalk Terminal Emulator 7 HP RGS Receiver 5.4								
Browser supported	Microsoft Internet Explorer 8								
Security	Enhanced Write Filter and File-Based Write Filter Microsoft Firewall LogOn Manager (password logon)								
Session brokers	<table><tr><td><u>Preinstalled:</u></td><td><u>Available from HP.com:</u></td></tr><tr><td>Citrix Desktop Delivery Controller</td><td>VMware Horizon View 5.0</td></tr><tr><td>enabled through web browser</td><td><u>Available from vendor's website:</u></td></tr><tr><td>VMware Horizon View 4.6</td><td>Leostream Desktop Connection Broker Provision Networks (Quest) broker</td></tr></table>	<u>Preinstalled:</u>	<u>Available from HP.com:</u>	Citrix Desktop Delivery Controller	VMware Horizon View 5.0	enabled through web browser	<u>Available from vendor's website:</u>	VMware Horizon View 4.6	Leostream Desktop Connection Broker Provision Networks (Quest) broker
<u>Preinstalled:</u>	<u>Available from HP.com:</u>								
Citrix Desktop Delivery Controller	VMware Horizon View 5.0								
enabled through web browser	<u>Available from vendor's website:</u>								
VMware Horizon View 4.6	Leostream Desktop Connection Broker Provision Networks (Quest) broker								
Management	HP Device Manager agent HP ThinState for rapid deployment Microsoft SCCM/EDM agent HP Easy Tools GUI (avail as add-on) guides you through initial setup and configurations								
Additional components	Windows Media Player 12 Microsoft .NET Framework 2.0 SP2, 3.0 SP2, 3.5 SP1 HP Universal Print Driver (available as add-on) HP Connection Manager (available as add-on)								

NOTE: Other add-on software available (see: www.hp.com/support for latest list of available add-ons)

LANGUAGES (MUI)

English, French, German, Spanish, Dutch, Norwegian, Korean, Simplified Chinese, Traditional Chinese, and Japanese

DIMENSIONS (WxDxH)

Without stand	2.3 x 8.5 x 8.25 in (5.84 x 21.59 x 20.95 cm)
With stand	2.3 x 8.5 x 8.65 in (5.84 x 21.59 x 21.97 cm)

NOTE: Dimensions are approximate

WEIGHT

With stand	3.0 lb (1.36 kg)
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NOTE: Weights are approximate

POWER



Technical Specifications

65 W
ENERGY STAR® 2.0 qualified
Worldwide auto-sensing 100-240 VAC, 50-60 Hz energy-saving automatic power-down, surge-tolerant

ENVIRONMENTAL

Operating temperature range	<u>Standard</u> 50° to 104° F (10° to 40° C)
	<u>Using Quick Release with a flat panel monitor</u> 50° to 95° F (10° to 35° C)
	<u>Using PCI Expansion Unit</u> 50° to 104° F (10° to 40° C)
Non-operating temperature range	-22° to 140° F (-30 to 60° C)
Humidity	<u>Condensing</u> 20% to 80%
	<u>Non-condensing</u> 10% to 90% non-condensing

NOTE: Specifications are at sea level with altitude derating of 1° C/300m (1.8° F/1000ft) to a maximum of 3 Km (10,000 ft), with no direct, sustained sunlight. Upper limit may be limited by the type and number of options installed.

REGULATORY COMPLIANCE

Ergonomics	German ZH1/618; EN29241-3, approved
Safety	UL 1950, CSA 950; TÜV-GS (EN60 950) approved
RF Interference	FCC Class B; CE Mark; EN55022B; VCCI

EMULATIONS

Emulation	Terminal ID
ADDS Viewpoint A2	ADDS-A2
AIXTerm	Aixterm
ANSI BBS	Ansi
AT&T AT 386	at386-m
AT&T Dataspeed 4410	att4410
Bull BQ3107	VIP7700, VIP7760
Data General Dasher 410/412	dg410
Hewlett Packard HP700-92/96	2392A, 2622A, 70092, 70094, 70096
Hazeltine 1500	HZ1500
IBM 3151	11, 11-28, 31, 31-28
IBM 3270	3278-2 (24x80 Mono), 3278-3 (32x80 Mono), 3278-4 (43x80 Mono), 3278-5 (27x132 Mono), 3278-2-E (24x80 Color),

Technical Specifications

	3278-3-E (32x80 Color), 3278-4-E (43x80 Color), 3278-5-E (27x132 Color), 3279-2 (24x80 Color), 3279-3 (32x80 Color), 3279-4 (43x80 Color), 3279-5 (27x132 Color), 3287-1 (Printer)
IBM 5250	3179-2 (24x80 Color), 3180-2 (27x132 Mono Msg), 3196-A1 (24x80 Mono), 3477-FC (27x132 Color Msg), 3477-FG (27x132 Mono Msg), 3486-BA (24x80 Mono), 3487-HA (27x132 Mono), 3487-HC (27x132 Color), 3812-1 (Printer), 5251-11 (24x80 Mono), 5291-1 (24x80 Mono), 5292-2 (24x80 Color), 5553-B01 (DBCS Printer), 5555-B01 (DBCS 24x80 Mono), 5555-C01 (DBCS 24x80 Color)
McDonnell Douglas Prism-8, Prism-12	tty
McDonnell Douglas Prism-9	tty
Prime PT250	pt250
SCO Console	ansi
Siemens 97801	97801
Stratus V102	v102
Tandem TA6526, TA6530	tn6530-8
Televideo 910	TVI910
Televideo 920	TVI920
Televideo 925	TVI925
Televideo 950	TVI950
Televideo 955	TVI955
Unisys T27	UNISYS-TD830
Viewdata 40	VIEWDATA - 40
Viewdata 80	VIEWDATA - 80
Viewdata Split	VIEWDATA - SPLIT
DEC VT PCTerm	VT-PCTERM
DEC VT100	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
DEC VT100+	VT100+
DEC VT500 7-bit	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525

Technical Specifications

DEC VT500 8-bit	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
DEC VT 52	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
VT HP220	vt220
VT UTF8	VT-UTF8
Wyse WY370	WYSE-370
Wyse WY50	WYSE-50
Wyse WY50+	WYSE-50
Wyse WY60	WYSE-60
Wyse PCTerm	WYSE-PCTERM

Technical Specifications – Environmental Data

ECO-LABEL CERTIFICATIONS & DECLARATIONS

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- ENERGY STAR® Category B
- EPEAT® registered where applicable/supported, see www.epeat.net for registration status by country
- BFR/PVC-free product¹

ENERGY CONSUMPTION

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Standard Models			
Idle State:	10.70 W	10.80 W	10.80 W
Off Mode:	0.51 W	0.30 W	0.51 W
Enhanced Performance Models			
HOE51AA			
Idle State:	13.75 W	13.87 W	13.74 W
Off Mode:	1.69 W	1.75 W	1.69 W
HOE50AA			
Idle State:	20.32 W	20.81 W	19.85 W
Off Mode:	1.71 W	1.77 W	1.70 W
HOE49AA			
Idle State:	25.04 W	24.98 W	25.17 W
Off Mode:	1.725 W	1.762 W	1.705 W
A1U70AA			
Idle State:	20.45 W	21.43 W	20.35 W
Off Mode:	0.42 W	0.41 W	0.42 W
A1U69AA			
Idle State:	25.34 W	25.52 W	25.13 W
Off Mode:	0.41 W	0.42 W	0.40 W

NOTE: This product is in compliance with US executive order 13221, WOL (wake on LAN) disabled. Off Mode measurements made with WOL disabled.

NOTE: The actual power consumption at your location could vary and is dependent on many factors including, but not limited to, software load on the thin client, attached peripherals, and environmental factors.

HEAT DISSIPATION

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Standard Models			
Idle State:	36.51 BTU/hr	36.85 BTU/hr	36.85 BTU/hr
Off Mode:	1.74 BTU/hr	1.02 BTU/hr	1.74 BTU/hr
Enhanced Performance Models			
HOE51AA			

Technical Specifications – Environmental Data

	Idle State:	46.92 BTU/hr	47.33 BTU/hr	46.88 BTU/hr
	Off Mode:	5.77 BTU/hr	5.97 BTU/hr	5.77 BTU/hr
HOE50AA				
	Idle State:	69.33 BTU/hr	71.01 BTU/hr	67.73 BTU/hr
	Off Mode:	5.83 BTU/hr	6.04 BTU/hr	5.80 BTU/hr
HOE49AA				
	Idle State:	85.44 BTU/hr	85.24 BTU/hr	85.88 BTU/hr
	Off Mode:	5.89 BTU/hr	6.01 BTU/hr	5.82 BTU/hr
A1U70AA				
	Idle State:	69.78 BTU/hr	73.12 BTU/hr	69.44 BTU/hr
	Off Mode:	1.43 BTU/hr	1.40 BTU/hr	1.43 BTU/hr
A1U69AA				
	Idle State:	86.46 BTU/hr	87.08 BTU/hr	85.75 BTU/hr
	Off Mode:	1.40 BTU/hr	1.43 BTU/hr	1.36 BTU/hr

NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

BATTERIES

This product complies with ISO standards:

- EU Directive 91/ 157/ EEC
- EU Directive 93/ 86/ EEC
- EU Directive 98/ 101/ EEC

Batteries used in the product do not contain:

- Mercury greater than 5ppm by weight
- Cadmium greater than 10ppm by weight
- Lead greater than 4000ppm by weight.

Battery size: CR2032 (coin cell)

Battery type: Lithium

RECYCLED MATERIAL

Product

- This product contains 0% recycled materials (by weight).
- This product is over 95% (by weight) recyclable when disposed of properly at end of life.

Packaging

- The EPE foam packaging material contains at least 5% (by weight) post-consumer recycled content.
- The corrugated paper packaging materials contains at least 80% (by weight) post-consumer recycled content.
- The packaging for this product is 100% (by weight) recyclable when disposed of properly.

RoHS COMPLIANCE



Technical Specifications – Environmental Data

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis.

MATERIAL USAGE

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at:

http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

PACKAGING

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web

Technical Specifications – Environmental Data

site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment:

[link to new HP white paper now in progress]

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html>

ISO 14001 certificates:

<http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html>

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Options and Accessories (sold separately)

		Part Number
Accessories	HP Quick Release Kit	EM870AA
	HP Integrated Work Center Stand	GN783AA
	HP Cable Lock	PC766A
	65 Watt External Power Supply replacement	AZ552AA
Communications^{1, 2}	Cisco Aironet 802.11a/b/g Wireless PCI Adapter	AIR-PI21AG-A-K9
	Allied Telesis PCIe x1 Fast Ethernet Fiber Network Interface Card	AT-2711FX
	Allied Telesis PCIe x1 Gigabit Fiber Network Interface Card	AT-2972SX
Input Devices	HP PS/2 Standard Keyboard	DT527A
	HP USB Standard Keyboard	DT528A
	HP USB Smartcard Keyboard	ED707AA
	HP USB CCID Smartcard Keyboard (BFR/PVC free)	BV813AA
	HP PS/2 2-Button Optical Scroll Mouse	EY703AA
	HP USB 2-Button Optical Scroll Mouse	DC172B
Graphics	HP DisplayPort to DVI-D Adapter	FH973AA
		FH973AT
	HP DMS-59 to dual VGA Adapter (for use with dual-head enhanced technology models only)	GS567AA
	HP DMS-59 to dual DVI-I Adapter (for use with dual-head enhanced technology models only)	DL139A
	HP DMS-59 to dual DisplayPort Adapter (for use with dual-head enhanced technology models only)	XP688AA
Storage	HP USB External CD/DVD R/RW Drive (read only support)	FS943AA FS934UT
	Apacer 4GB AH522 USB 2.0 Flash Drive ¹	91.HDE2S.HP00C
	Apacer 8GB AH522 USB 2.0 Flash Drive ¹	91.HDF2S.HP00C
	Apacer 16GB AH522 USB 2.0 Flash Drive ¹	91.HDG2S.HP00C
Security	HP USB Smartcard Keyboard	ED707AA
	HP USB CCID Smartcard Keyboard (BFR/PVC free)	BV813AA
	Gemalto PC USB-TR Card Reader ¹	HWP117685
	Gemalto .NET v2+ Smart Card ¹	HWP115303B HWP115647C
	SCM SCR331 USB Smart Card Reader ¹	904054
	HP Keyed Cable Lock (BFR/PVC free)	BV411AA

Options and Accessories (sold separately)

Care Pack Services³	9x5 Next-Business-Day Advanced Exchange - 3 Years	331653-001; U4847E
	9x5 Next-Business-Day On-Site Coverage - 3 Years	331655-001; U4849E
	Hardware Installation	331686-001; UJ865E

¹Option, drivers, warranty, and support are available directly from third party.

²Wireless access point and Internet access required. Availability of public wireless access points limited.

³Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Restrictions and limitations apply. For details, visit: www.hp.com/go/carepack.

⁴U4847E is available in all regions; U4849E is available in Latin America and Asia-Pacific/Japan.

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