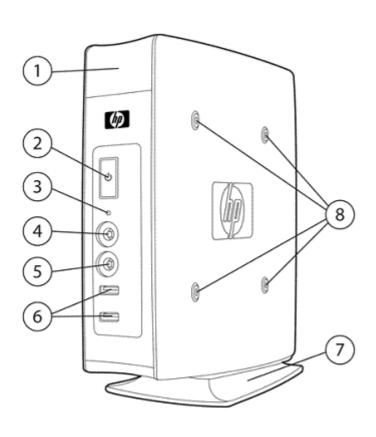
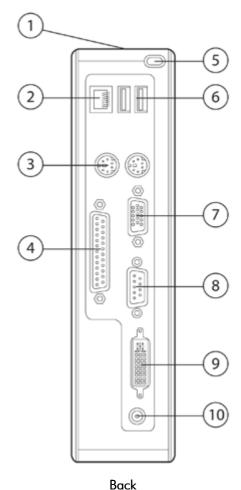
Overview

Introduction

The HP t5545 is an all inclusive access device designed for mainstream business. The HP t5545 offers convenient access to Windows or Citrix environments, the most common VDI ecosystems, mainframes, mid-range servers, and Unix/Linux hosts The ThinPro operating system provides a single console interface with dashboard access to all user and administrative touch points. The t5545 includes dual monitor support, legacy ports, a secure USB compartment, Gigabit Ethernet support and a choice of client side or server based remote management solutions to simplify deployment and maintenance.





Front

- 1. Secure USB compartment (2 USB connectors)
- 2. Power button with LED
- 3. Flash activity indicator
- 4. Audio connector (mic in)
- 5. Audio connector (headphone out)
- 6. USB connectors (2)
- 7. Vertical stand (removable)
- 8. VESA mounting points (4)

Cable lock slot

- 1.
- 2. 10/100/1000 Ethernet RJ-45 connector
- PS/2 connectors (2) 3.
- Parallel port 4.
- 5. Cable management feature
- 6. USB connectors (2)
- 7. VGA connector
- 8. Serial port
- DVI-D connector
- 10. +12V DC power input



Overview

At A Glance

- HP ThinPro operating system supports modular software updates that can be applied remotely over the network for rapid deployment
- VIA Eden 1 GHz processor for great performance
- 512 MB System memory (64 MB reserved for video)
- 512 MB Flash memory
- Includes one parallel, one serial, two PS/2, and six USB 2.0 ports (two in back, two in front, and two in secure USB compartment great for safeguarding USB wireless and Flash devices)
- MIC in and Audio out ports in front
- Built in dual monitor support (VGA and DVI-D native)
- ENERGY STAR® qualified
- Native HP RDP Enhancements provide streaming media and USB redirection through RDP connections
- HP Remote Graphics Software (RGS) support for a business class multimedia experience
- VDI broker support includes VMware View Manager, Citrix XenDesktop (with CDA mode utility), LeoStream, Provision Netowkrs HP Session Allocation Manager (SAM)
- HP Device Manager lets you remotely manage client devices from a central location
- HP's alliance with Altiris brings a leading management solution to the thin client market. Altiris Deployment Solution's standards-based, advanced thin client management solution helps reduce the costs of deploying, updating, and maintaining your thin clients. A free client license is included with each HP thin client.
- Exclusive HP ThinState Tools offers in-box, easy-to-use image deployment and recovery tools
- HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services extend service contracts which go beyond your standard warranties. For more details visit: www.hp.com/go/lookuptool.



Models

VN134AA#ABA

VN134AT#ABA (SmartBuy or Promo) Model Name HP t5545 Thin Client Processor VIA Eden 1 GHz

Flash 512 MB

System Memory 512 MB (64 MB reserved for video)

Operating System HP ThinPro

KeyboardKeyboard (USB or PS/2) varies by regionMouseMouse (USB or PS/2) varies by regionSide PanelsVESA standard mounting holes



Options

Accessories	NOTE: Options are available as separate purchase ¹ HP Quick Release Kit HP Quick Release/VESA Panels Kit	Part Number EM870AA FV248AA	
	(for mounting models that ship with non-VESA panels) HP Integrated Work Center Stand	GN783AA	
	50 Watt External Power Supply	FJ851AA#ABA	
Communications	Belkin USB Wireless 802.11b/g ^{2,3} (Security: WEP, WPA & WPA2 Only) (North America, Singapore, Hong Kong, Malaysia, Philippines, India, Korea, China, Taiwan, Australia, New Zealand) To order, visit www.belkin.com, search for HP4050, and order online	Belkin part number: HP4050	
	Belkin USB Wireless 802.11b/g ^{2,3} (Security: WEP, WPA & WPA2 only) (Germany, Netherlands, Spain, Italy, France, Poland, Hungary, Czech, Russia, Bulgaria, Romania, United Kingdom, Sweden/Scandinavia) To order, visit www.belkin.com, search for HP4050ea, and order online	Belkin part number: HP4050ea	
	USB 802.11a/b/g Wireless Ethernet Adapter – European Channel Configuration USB 802.11a/b/g Wireless Ethernet Adapter – North American Channel Configuration	AK256AA#ABA AK257AA	
Touch Screens	ELO Touch 1529L Flat Panel ²	E926109	
	HP L5006tm LCD Touchscreen (available in selected countries)	RB146AA	
Security	HP USB Smartcard Keyboard	ED707AA	
	SCM USB Smart Card Reader SCR331 ²	904622	
	HP/Kensington Cable Lock	PC766A	
Input Devices	HP PS/2 Standard Keyboard	DT527A#ABA	
	HP USB Standard Keyboard	DT528A#ABA	
	HP USB Smartcard Keyboard	ED707AA#ABA	
	HP PS/2 2-Button Scroll Mouse	DD440B	
	HP PS/2 2-Button Optical Scroll Mouse	EY703AA	
	HP USB 2-Button Optical Scroll Mouse	DC172B	



Options

Care Pack Services⁴

9x5 Next-Business-Day Advanced Exchange – 3 Years

9x5 Next-Business-Day On-Site Coverage – 3 Years



¹ The warranties for HP branded products are set forth in the express limited warranty statements accompanying such products. Although third-party products may work effectively on HP thin clients, these third-party products are provided "AS IS." HP does not support or warrant third-party products, including the interoperability of such products with HP thin clients. However, third-party manufacturers and vendors may provide their own warranties and support directly to you. Please contact the manufacturers or vendors for hardware or software support on their products.

² This is a third-party product. Product, warranty and support available directly from third-party vendor.

³ Wireless access point and Internet service sold separately. Roaming not supported. See Administrator's Guide for supported wireless features. Not certified in Korea, Malaysia, New Zealand, Pakistan, or Taiwan.

⁴ Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: www.hp.com/hps/carepack.

Technical Specifications

Processor VIA Eden 1 GHz

Chipsets VIA VX800 north/south bridge unified chip

Memory Flash 512 MB

System Memory 512 MB (64 MB reserved for video)

Graphics VIAChrome9 HC3 Integrated Graphics Processor

Supports high-resolution monitors up to 2048 x 1536 or up to 24 bit color depth

NOTE: The resolutions your monitor displays and the multi-display modes (i.e., clone, spanning, extended/independent) supported in ICA, RDP or locally may vary. The graphics controller supports

these resolutions:

Resolutions 800 x 600, 960 x 600, 1024 x 768, 1152 x 864

1280 x 720, 1280 x 768, 1280 x 800, 1280 x 960,1280 x 1024

1360 x 768, 1366 x 768, 1368 x 768

1400 x 1050,1440 x 900

1600 x 1200, 1600 x 1024, 1680 x 1050 1920 x 1080, 1920 x 1200, 1920 x 1440

2048 x 1536

Input/Output/KeyboardKeyboard (USB or PS/2) varies by regionPeripheral SupportMouseMouse (USB or PS/2) varies by region

Printer Local and/or network printers (RDP, ICA, LPD)

Video VGA-type video output (DB-15)

DVI-D digital video output

Audio 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 ports

Terminal Server Protocols Citrix ICA

RDP

Networking 10/100/1000 Ethernet (RJ-45)

Direct connection via RS-232, Point-to-Point Protocol (PPP), Point-to-Point over Ethernet (PPPoE) VPN connection via MS Point-to-Point Tunneling Protocol (PPTP), Layer-2 Tunneling Protocol (L2TP)

DHCP with FTP option for automatic updates

TCP/IP with DNS and DHCP support

Wake on LAN

PXE

I/O ports and connectors 6 USB 2.0 ports, 1 serial, 1 parallel, 2 PS/2, 1 RJ45, 1 VGA, 1 DVI-D, 1 headphone, 1 microphone

Resident Operating

HP ThinPro

System

OS Languages English, French, German, Spanish, Japanese, and Simplified Chinese



Technical Specifications

Server OS Compatibility/

Citrix Presentation Server (up to 4.5) and XenApp

Support

Software

Windows 2000/2003 Server families

Windows 2008 Server

Windows 2000/2003 Server Terminal Services

Windows 2000 Advanced Server, Windows 2000 Advance Server Terminal Services

VMware Virtual Desktop Infrastructure using RDP

Operating System/

HP ThinPro operating system

Protocols/Components

Citrix ICA 11 RDesktop 1.6

Security

Support for Stateless Security Mode (requires setup to enable) and locked file

system

Connection Broker Compatibility/Support Citrix XenDesktop Broker through PNAgent Citrix Desktop Appliance (CDA) mode

VMware View Manager 3.0

Leostream Desktop Connection Broker

Support for Provision Networks (Quest) broker (contact vendor directly for

broker sale and support)

HP Session Allocation Manager (SAM)

NOTE: Broker features for ThinPro OS may vary from other HP products

Multimedia and USB

redirection

HP RDP Enhancements (Multimedia and USB Redirection)

HP Remote Graphics Software (RGS)

Browser and emulation

Iceweasel 3.0.6 Sun JRE 1.6 XDMCP (X.11)

TeemTalk 7 Terminal Emulation suite

ePDFView (PDF viewer) VNC for remote control

ThinPrint .print TCP client (available as add-on)

Management

HP Device Manager agent

Altiris Deployment Solution agent with full client license. Altiris Deployment Solution (management console) available as free download from Altiris at:

www.altiris.com/hptc

HP ThinState for image capture and redeploy

HP ThinPro add-ons

VMware View 3.0 broker support (replaces VDM 2.0 or 2.1)

ICA v10.42 Client with Citrix XenDesktop support (replaces v10.33)

HP ThinPro Service Pack:

- VMware View 3.0 broker support (replaces VDM 2.0)
- ICA v10.42 Client with Citrix XenDesktop support (replaces v10.33)
- Improved Citrix load balancing support
- TeemTalk 7.0.2 Terminal Emulation Suite (replaces 7.0)

HP RDP Enhancements and USB Redirection software

See www.hp.com/support for more detail and the most up to date list of

add-ons

Emulations

HP TeemTalk Terminal Emulation 7 supports these emulations. SSH/SSL is supported in terminal emulation mode allowing users to secure their connections to the host.

Emulation

Terminal ID



Technical Specifications

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), 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-tty

8, Prism-12

McDonnell Douglas Prism-tty

9

Prime PT250 pt250 SCO Console ansi Siemens 97801 97801



Technical Specifications

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 VT100 m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320,

vt340, vt420, vt510, vt520, vt525

VT-PCTERM

DEC VT100+ VT100+

DEC VT PCTerm

DEC VT500 7-bit m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320,

vt340, vt420, vt510, vt520, vt525

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
 vt20

 VT UTF8
 VT-UTF8

 Wyse WY370
 WYSE-370

 Wyse WY50
 WYSE-50

 Wyse WY50+
 WYSE-50

 Wyse WY60
 WYSE-60

 Wyse PCTerm
 WYSE-PCTERM

Dimensions H x W x D Without stand 8.25 x 2.05 x 8.5 in (209.55 x 52.07 x 215.90 mm)

With stand 8.65 x 2.05 x 8.5 in (219.70 x 52.07 x 215.90 mm)

Weight (approximate) With stand 3.40 lbs (1.54 kg)

Power* Operating voltage range 100-240 VAC

Rated line frequency 50-60 Hz
Power output (max) 50W
Rated output current 4.16A

(max)

Output voltage +12V DC

Power consumption Average power consumption of this thin client in a typical setup is 14.0 W

* 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.

Environmental Operating temperature 50° to 104° F (10° to 40° C)

range



Technical Specifications

Non-operating -22° to 140° F (-30 to 60° C)

temperature range

Humidity (noncondensing) 10% to 90% operating/5% to 95% non-operating

Regulatory Compliances Product Safety International: IEC60950-1, 12:2005, with CB Certificate and all National

Deviations

US and Canada: UL 60950-1 / CAN/CSA 22.2 No. 60950-1-03,

07:2006, Bi-National Standard for ITE Safety in the US and Canada and

s published jointly by UL and CSA.

Europe: EN 60950-1, 06:2003, Information Technology Equipment

Ergonomics The product has been tested and found to comply with all applicable GS

ergonomic requirements.

RF Interference FCC Class B, CE Mark, VCCI

Warranty Three-year limited hardware warranty.

NOTE: Certain restrictions apply. Consult the HP Customer Support Center for details.



Technical Specifications— Environmental Data

Declarations

Eco-Label Certifications & 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

Additional Compliance

This product is in compliance with:

- Restrictions of Hazardous Substances (RoHS) directive 2002/95/EC.
- Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC.
- California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

Energy Consumption

	115 VAC	230 VAC	100 VAC
Idle State:	13.90 W	14.32 W	13.70 W
Off Mode:	1.95 W	1.93 W	1.94 W

NOTE: This product is in compliance with US executive order 13221, WOL (wake on LAN) 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

Idle State: 47.43 BTU/hr 48.86 BTU/hr 46.75 BTU/hr 6.66 BTU/hr 6.57 BTU/hr Off Mode: 6.62 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 the 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 98.1% (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 94% (by weight) recyclable when disposed of properly.



Technical Specifications— Environmental Data

RoHS Compliance

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. From July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

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

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: 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 site at: 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



Technical Specifications— Environmental Data

equipment.

Hewlett-Packard Corporate Environmental Information For more information about HP's commitment to the environment:

Global Citizenship Report

www.hp.com/hpinfo/globalcitizenship/

gcreport/index.html Eco-label certifications

www.hp.com/hpinfo/globalcitizenship/environment/

productdesign/ecolabels.html ISO 14001 certificates:

www.hp.com/hpinfo/globalcitizenship/environment/

operations/envmanagement.html

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