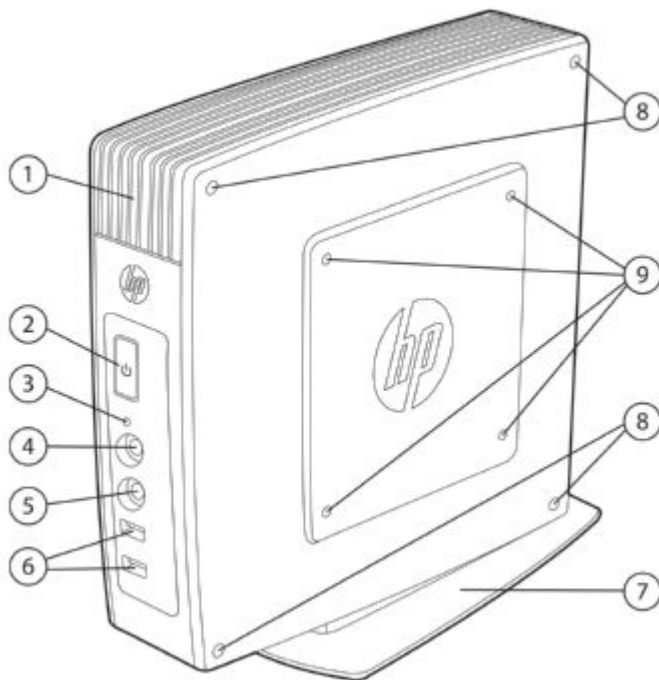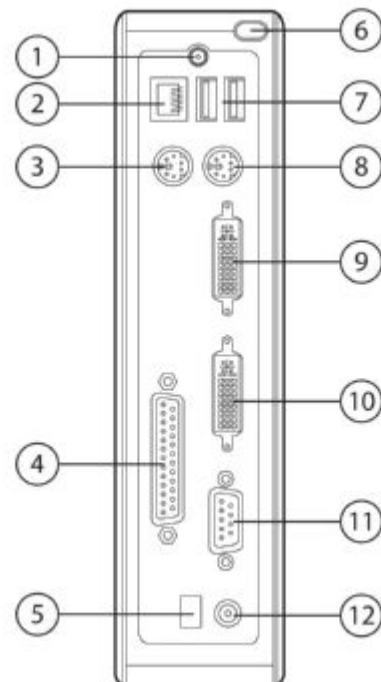Overview

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 (4)
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. Security lock slot
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

At A Glance

Hardware features:

- VIA Nano u3500 1 GHz processor for great performance
- VX900 chipset
- 1 GB 800 MHz DDR3 RAM (128 MB reserved for video) & 1 GB Flash
- 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
-
-

Overview

- Built in dual monitor support (DVI-I and DVI-D native, with DVI-I-to-VGA adapter included in carton)
- Optional wireless supporting 802.1 a/b/g/n
- ENERGY STAR® qualified and EPEAT® registered
- BFR/PVC free*
- Contains over 10% post-consumer recycled plastics (by weight)

Software features:

- Smart client technology, just boot and connect!
- Smart Client Experience
    - Fast boot, quick connect and responsive interaction
    - User boots into their host environment with no local desktop complexity
    - User preferences can be set and retained without leaving the login screen
    - On-screen controls are streamlined to eliminate desktop clutter
- Citrix Optimization:
    - Full screen 1080P HDX multimedia capability at an affordable price
    - Dock bar for convenient access to multiple published applications
    - Smooth roaming assures that your applications follow you
- Automatic Intelligence
    - Intelligence is automatically inherited by Smart Client Service
    - Support for Broadcast, or DHCP Tag

    - Leverages remote intelligence resources to minimize desktop overhead
    - Installation wizard establishes desktop environment for all devices in minutes
    - Automatic broadcast system finds Smart Client Service & delivers user desktop in seconds
    - Profile editor allows connection changes to be made in just a few clicks
    - The remote intelligence allows your client & host to put performance where it counts!
    - Seamless updates from the cloud allow users work instead of waiting for installs
- Uncompromised IT
    - Unique device purposing, choose from ICA-HDX or RDP or View with PCoIP
    - Smart Client Service integrates with host to maintain a clean IT environment
    - Your desktop attack surface is minimized with no local apps
    - Console visibility, asset information and reboot through HP Device Manager
- 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 which go beyond your standard warranties. For more details visit: www.hp.com/go/lookuptool.

* HP t5565z 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

H0E31AA	**Model Name**	HP t5565z Smart Client
	Processor	VIA Nano superscalar u3500 1 GHz
	Storage	1 GB Flash
	Memory	1 GB RAM (128 MB reserved for video)
	Graphics	VIA ChromotionHD 2.0 Integrated Graphics Processor
	Keyboard	USB or PS/2 (varies by region)
	Mouse	USB or PS/2 (varies by region)
	Side Panels	Standard 100 mm VESA mounting holes

H0E33A	**Model Name**	HP t5565z Smart Client with Integrated Wi-Fi
	Processor	VIA Nano superscalar u3500 1 GHz
	Storage	1 GB Flash
	Memory	1 GB RAM (128 MB reserved for video)
	Graphics	VIA ChromotionHD 2.0 Integrated Graphics Processor
	Integrated Wireless*	Atheros 802.11 a/b/g/n Wi-Fi adapter with dual-band multi-position adjustable external antenna
		Encption: 64 and 128-bit WEP, WPA, WPA2, AES, TKIP Authentication: EAP-TLS, EAP-TTLS, EAP-PEAP, LEAP
		NOTE: This document represents only those wireless features qualified on HP Thin Clients in a test lab environment. Actual features may vary based on your specific WLAN infrastructure. Wireless functionality is not supported in roaming environments as the thin client must be stationary for wireless to properly function. This document does not reflect features tested or enabled for an HP thin client customer via PCCS (customized specials).
	Keyboard	USB or PS/2 (varies by region)
	Mouse	USB or PS/2 (varies by region)
	Side Panels	Standard 100 mm VESA mounting holes

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

Options

	NOTE: Options are available as separate purchase[1]	**Part Number**
Accessories	HP Quick Release Kit	EM870AA
	HP Integrated Work Center Stand	GN783AA
	65 Watt External Power Supply replacement	AZ552AA

Security	HP Keyed Cable Lock (BFR/PVC free)	BV411AA

Care Pack Services[4]	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.

[5] May require installation of drivers. For a complete list of monitors compatible with HP thin clients, it is important to cross-reference the supported video resolutions of the HP thin client to the supported resolutions of the monitor. Most HP monitors have one or more supported resolutions that match HP thin client products.

[6] Option, drivers, and support are available directly from third party.

Technical Specifications

Hardware	
Processor	VIA Nano u3500 1 GHz
Chipset	VIA VX900 Media System Processor north/south bridge unified chip
Storage	1 GB Flash
Memory	1 GB DDR3 SODIMM (128MB reserved for video)
Graphics	VIA ChromotionHD 2.0 Integrated Graphics Processor Supports high-resolution monitors up to 2048 x 1536 or up to 24 bit color depth Client Aggregation Support for controlling up to 4 devices with one keyboard and mouse, practical for expanding visible desktop real estate across multiple monitors (see administration guide for more details)
Monitor 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

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.

Input/output and peripheral support	
Keyboard	USB or PS/2, varies by region
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 output	Internal amplified speaker, 1/8-inch mini-jack, 24-bit stereo, 192-kHz sample rate
Audio input	1/8-inch microphone mini-jack, 20-bit stereo, 96-kHz sample rate
I/O ports	6 USB 2.0, 1 serial, 1 parallel, 2 PS/2, 1 RJ45, 1 DVI-I, 1 DVI-D, 1 headphone, 1 microphone. (1 DVI-I-to-VGA adapter included in carton)
Networking	10/100/1000 Ethernet (RJ-45) DHCP or Static IP support Wake on LAN (WOL) PXE
Wireless LAN* (select models)	Atheros 802.11a/b/g/n WIFI Adapter PCI-Express Half Mini Card Supports 64 and 128-bit WEP, WPA, WPA2, AES, TKIP, 802.1x authentication types EAP-TLS, EAP-TTLS, EAP-PEAP, LEAP * Wireless features, performance and support may vary depending on environmental variables such placement, settings and firmware of your access points. Please contact your wireless vendor for support of your wireless environment.
Security Features	All settings and connections retrieved from HP Smart Client Service on boot Secure USB compartment with 2 USB 2.0 ports Security lock slot (cable lock sold separately)
Operating System	HP Smart Client Service

Technical Specifications

Server OS Compatibility	Citrix XenApp 4.5 / 5 / 6
	Citrix XenDesktop 4 / 5
	Citrix Presentation Server 4.0 / 4.5
	Windows Server 2008 / / 2008 R2 Remote Desktop Services
	Windows 2000/2003/ Terminal Server families
	Windows XP / Windows Vista / Windows 7 via RDP (single connection only)
User Interface Language Support	Preinstalled: English, French, German, Spanish, Japanese, Simplified Chinese
	English, French, German, Spanish, Japanese and Simplified Chinese
Citrix and Windows Connectivity	Citrix ICA 11, RDesktop 1.6 (RDP 6 client)
Protocols	Citrix ICA
	Citrix HDX
	PCoIP
	Microsoft RDP
Management	HP Smart Client Service

- Installation Wizard
- Automatic Intelligence:
  - Client Kits (ICA-HDX, RDP & View)
  - Profile Repository (connections / settings)
  - Profile Editor (connections / settings)
  - Intelligent Delivery: Broadcast, DHCP Tag

HP Device Manager CLient Kit

VDI Broker Support	XenDesktop through PNagent	
	VMware Horizon View 4.6 with PCoIP	
Dimensions H x W x D	**Without stand**	8.25 x 2.30 x 8.5 in (209.55 x 58.42 x 215.90 mm)
	With stand	8.65 x 2.30 x 8.5 in (219.70 x 58.42 x 215.90 mm)
Weight (approximate)	**With stand**	3.00 lbs (1.36 kg)
Power supply	Worldwide auto-sensing 100-240 VAC, 50-60 Hz energy-saving automatic power-down, surge-tolerant, ENERGY STAR® 2.0 qualified 65-watt power supply supplying 19VDC	
Environmental	**Operating temperature range**	50° to 104° F (10° to 40° C)
	Non-operating temperature range	-22° to 140° F (-30 to 60° C)
	Humidity (non-condensing)	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 is 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

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 product*

* HP t5565 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

Additional Compliance This product is in compliance with:

- This product complies with the requirements of the European Union's Ecodesign Directive 2009/125/EC and its associated implementing measures.
- 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 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

Energy Consumption

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Idle State:	10.90 W	11.29 W	11.08 W
Off Mode:	0.40 W	0.45 W	0.39 W

NOTE: These power measurements made without integrated wireless Ethernet option installed.
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

Idle State:	37.19 BTU/hr	38.52 BTU/hr	37.81 BTU/hr
Off Mode:	1.36 BTU/hr	1.54 BTU/hr	1.33 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.

Technical Specifications – Environmental Data

	Battery size: CR2032 (coin cell) Battery type: Lithium	
Recycled material	**Product**	● This product contains at least 10% recycled materials (by weight). ● This product is at least 90% (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

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.
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Technical Specifications – Environmental Data

- 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 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