

### Overview

### HP t310 G2 Zero Client



#### FRONT

- |                     |                      |
|---------------------|----------------------|
| 1. 3.5mm Microphone | 4. Power button/ LED |
| 2. 3.5mm Headphone  | 5. PCoIP connect LED |
| 3. USB 2.0 (4)      |                      |



#### BACK

1. USB 2.0 (2)
2. RJ-45 NIC or SFP slot
3. DVI-I connector
4. DisplayPort™ Connector
5. 12V DC power jack

#### Hardware features:

### Overview

- TERA2321 PCoIP Zero Client processor
- 512 MB DDR3 1333 MT/s RAM
- 32 MB SPI Flash memory to store firmware
- 10/100/1000 Gigabit Ethernet (RJ-45) or 100Mbps/1Gbps Fiber NIC
- Supports up to 2 displays, using 1 DVI-I and 1 DisplayPort™ connection at resolutions up to 1920x1200 at 60Hz or single digital display at resolutions up to 2560x1600
- 6 USB 2.0 ports
- VESA mount support (100 x 100 mm)

### HP PCoIP Zero Client System Features:

- Uses the TERA2321 PCoIP Zero Client Processor to provide dedicated hardware decode of the PCoIP desktop
- Delivers a high performance end-user experience using the PCoIP protocol
- Fully interoperable with all PCoIP endpoints including PCoIP virtual desktops, PCoIP remote workstation hosts and APEX 2800 server offload cards
- Wake-on-LAN support
- AES-128 bit or AES-256 bit encryption/decryption for network traffic
- No application operating system and no persistent user data is stored on the zero client device
- Simple and quick to deploy and manage using the PCoIP Management Console (available from [techsupport.teradici.com](http://techsupport.teradici.com))

### 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>.

### Technical Specifications

#### OPERATING SYSTEM

No Operating System

#### PROCESSOR

TERA2321 PCoIP Zero Client processor

#### MEMORY

Flash (boot) memory

32 MB SPI

System memory

512 MB DDR3 1333 MT/s RAM

#### DISPLAY

Supports up to 2 displays; 1 DVI-I, 1 DisplayPort™ with resolutions up to 1920x1200 at 60Hz or single Display Port™ resolutions up to 2560x1600.

#### INPUT/OUTPUT (peripheral support)

**Keyboard**

USB

**Mouse**

USB

#### AUDIO

**Output**

1/8-inch mini-jack, 16, 20, 24, or 32-bit stereo,  
8-96 kHz sample rate

**Input**

1/8-inch microphone mini-jack, 16, 20, 24, or 32-bit stereo,  
96 kHz sample rate

#### HARDWARE SECURITY

HP Cable Lock Slot

#### NETWORKING & COMMUNICATIONS

##### Hardware networking

10/100/1000 Gigabit Ethernet (RJ-45) or 100Mbps/1Gbps Fiber NIC

Wake on LAN (WOL) using magic packet

TCP/IP with DNS and DHCP

UDP

#### I/O PORTS & CONNECTORS

6 USB 2.0 (four on Front, two on Rear)

1 NIC (RJ-45 or Fiber)

1 Microphone

1 Headphone/Speaker

1 Power Connector

1 DisplayPort™ Connector

1 DVI-I Connector

### Technical Specifications

**NOTE:** 2 of 6 USB 2.0 ports may be used for keyboard and mouse.

#### PLATFORM

<b>Host Support</b>	VMware® Horizon View™, PCoIP remote workstations VMware Horizon® DaaS®, through PCoIP Amazon WorkSpaces, through PCoIP
<b>Protocols</b>	PCoIP
<b>Management</b>	PCoIP Management Console (available from techsupport.teradici.com)

#### LANGUAGES

English, French, German, Italian, Spanish, Portuguese, Greek, Traditional Chinese, Simplified Chinese, Japanese, and Korean

#### DIMENSIONS (WxDxH)

1.244 x 5.413 x 7.283 in (w/o base)  
3.16 x 13.75 x 18.5 cm

2.56 x 5.413 x 7.37 in (w/base)  
6.5 x 13.75 x 18.72 cm

#### WEIGHT

1.32 lbs  
0.60 kg

#### SHIPPING WEIGHT

5.29 lbs  
2.40 kg

#### POWER

36 W AC adapter (12V DC)  
Worldwide auto-sensing 100-240 VAC, 50-60 Hz

#### ENVIRONMENTAL

<b>Operating temperature range</b>	<u>Standard</u> 32° to 104° F (0° to 40° C)
<b>Non-operating temperature range</b>	-4° to 158° F (-20° to 70° C)
<b>Humidity</b>	<u>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.

### Technical Specifications

#### **REGULATORY COMPLIANCE**

**Ergonomics**

German ZH1/618; EN29241-3, approved

**Safety**

UL 60950-1; cUL No. 60950-1-07; IEC 60950-1; EN60950-1; EK1-ITB2000

**Electro-Magnetic  
Compatibility**

CE (EN 55022; EN55024; EN 61000-3-2; EN61000-3-3); FCC (CFR 47, Part 15); ICES-003; VCCI

### 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 markets:

- In compliance with the Restrictions of Hazardous Substances (RoHS) directive -2011/65/EC.
- Designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

#### ENERGY CONSUMPTION (Idle mode data are ready)

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Idle State: (Monitor on & Network connected)	7.12 W	7.42 W	7.43 W
Idle State: (Monitor off & Network not connected)	5.05 W	5.34 W	5.34 W
Off Mode: (WoL Enabled)	1.64 W	1.68 W	1.67 W
Off Mode: (WoL Disabled)	0.22 W	0.18 W	0.18 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

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Idle State: (Monitor on & Network connected)	24.35 BTU/hr	25.38 BTU/hr	25.41 BTU/hr
Idle State: (Monitor off & Network not connected)	17.27 BTU/hr	18.26 BTU/hr	18.26 BTU/hr
Off Mode: (WoL Enabled)	5.61 BTU/hr	5.75 BTU/hr	5.71 BTU/hr
Off Mode: (WoL Disabled)	0.75 BTU/hr	0.62 BTU/hr	0.62 BTU/hr

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

#### RECYCLED MATERIAL

##### Product

- This product is at least 90% (by weight) recyclable when disposed of properly at end of life.

##### Packaging

- The corrugated paper packaging materials contains at least 25% (by weight) post-consumer recycled content.

### Technical Specifications – Environmental Data

- The packaging for this product is 100% (by weight) recyclable when disposed of properly.

#### RoHS COMPLIANCE

HP Inc. 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: [http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen\\_specifications.html](http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html)):

- Asbestos
- Certain Azo Colorants
- 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.

### Technical Specifications – Environmental Data

- 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 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:

Global Citizenship Report:

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

ISO 14001 certificates:

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



### Options and Accessories (sold separately)

		<b>Part Number</b>
<b>Input Devices</b>	HP USB CCID Smartcard Keyboard	E6D77AA
<b>Security</b>	HP Cable Lock	T1A62AA

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### Summary of Changes

Date of change:	Version History:		Description of change:
	From v1 to v2		

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