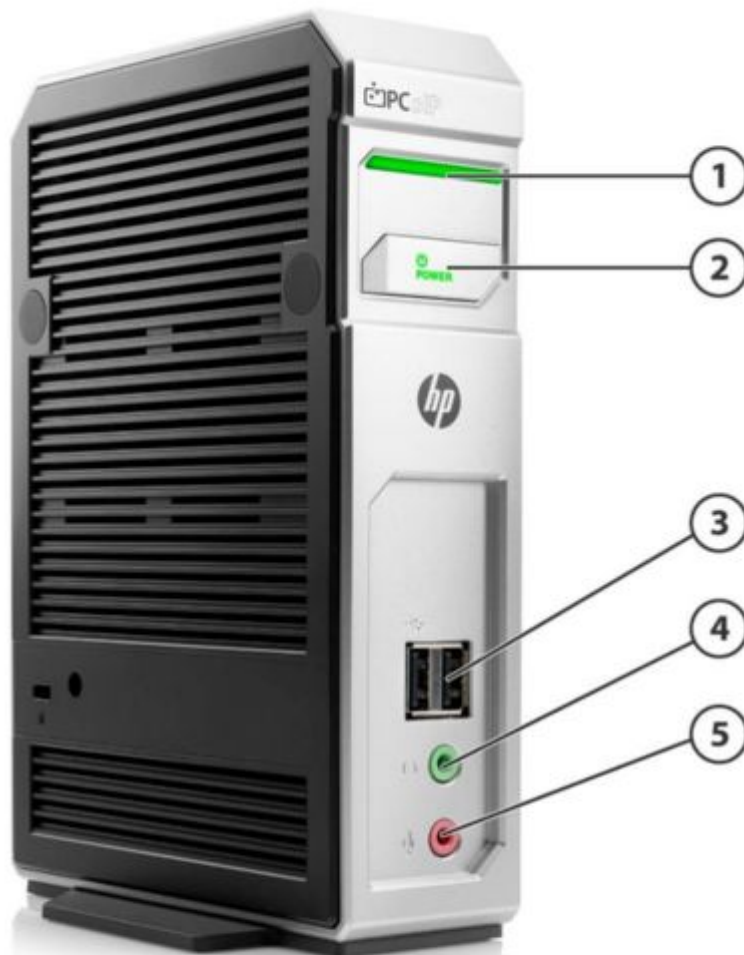


### HP t310 Quad-Display Zero Client

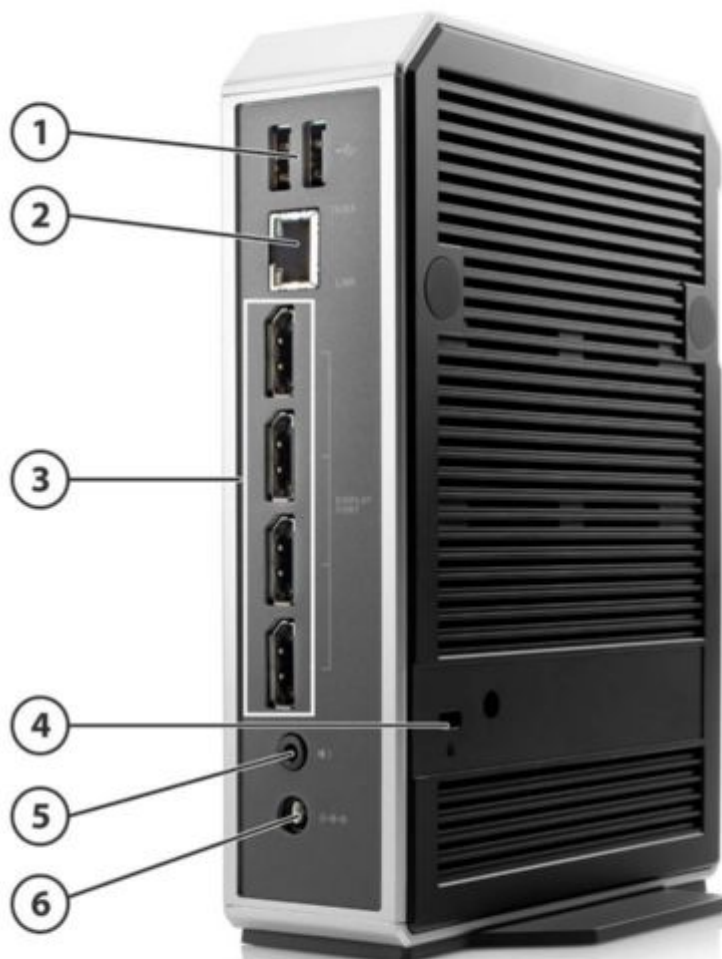
FRONT



1. (1) PCOIP indicator LED
2. (1) Power button
3. (2) USB 2.0
4. (1) Headphone Jack
5. (1) Microphone Jack

### Overview

#### BACK FRONT



1. (2) USB 2.0
2. (1) RJ-45/SFP port
3. (4) DisplayPort™\*
4. Cable lock slot
5. (1) Speaker/Headphone Jack
6. (1) 12V Power Connector

\*The DisplayPort™ did not pass VESA 1.2 certification guidelines

### Overview

#### Models:

HP t310 Quad-Display Zero Client	RJ-45 NIC version	W5W64UA
	Fiber NIC version	W5W68UA

#### Hardware features:

- TERA2140 PCoIP Zero Client processor
- 512 MB DDR3 1333 MT/s RAM (with transfer rates up to 1333 MT/s)
- 32 MB SPI Flash memory to store firmware
- 10/100/1000 Gigabit Ethernet (RJ-45) or 100Mbps Fiber NIC (optional and must be configured at purchase) or 1Gbps Fiber NIC (optional and must be configured at purchase)
- Supports up to 4 displays, using 4 DisplayPort™\* connections at resolutions up to 1920x1200 at 60z, two digital displays at resolutions up to 2560x1600, or two digital displays at resolutions up to 3840x2160.
- 4 USB 2.0 ports (2 front, 2 rear): 1 for keyboard, 1 for mouse, 2 for other USB devices
- Contains over 10% post-consumer recycled plastics (by weight)

#### HP PCoIP Zero Client System Features:

- Uses the TERA2140 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
- Full power management with Wake-on-LAN support
- AES-128 bit or AES-256 bit encryption
- No application operating system and no persistent user data is stored on the zero client device
- Manage your Zero Client and keep it up-to-date with PCoIP Management Console. A one-year subscription to Desktop Access is included with the purchase of every new HP t310 Zero Client

\*The DisplayPort™ did not pass VESA 1.2 certification guidelines

**NOTE:** Teradici Desktop Access one (1) year subscription included. Proof of purchase required. Trial begins on date of hardware purchase. PCoIP Zero Clients purchase must be more recent than December 1, 2017. For more information, visit [teradici.com](http://teradici.com).

#### Warranty:

HP Total Care Warranty and Services: three-year limited hardware warranty in most regions and may vary by country. HP Care Pack Services are optional extended service contracts that go beyond your standard limited warranties. For more details visit: <http://www.hp.com/go/cpc>.

### Technical Specifications

#### OPERATING SYSTEM

No Operating System

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#### PROCESSOR

TERA2140 PCoIP Zero Client processor

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#### MEMORY

Flash memory (boot drive)	32 MB SPI
System memory	512 MB DDR3 1333 MT/s RAM (Transfer rates up to 1333 MT/s)

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#### DISPLAY

Supports up to 4 displays with resolutions up to 1920 x 1200, dual displays with resolutions up to 2560 x 1600, or dual displays with resolutions up to 3840x2160.

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#### INPUT/OUTPUT (peripheral support)

<b>Keyboard</b>	HP USB Keyboard
<b>Mouse</b>	HP USB Mouse

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#### AUDIO

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

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#### HARDWARE SECURITY

HP Cable Lock Slot

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### Technical Specifications

## NETWORKING & COMMUNICATIONS

### Hardware networking

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

Wake on LAN (WOL) using magic packet

Wake on USB

TCP/IP with DNS and DHCP

UDP

\*Optional and must be configured at purchase

---

## I/O PORTS & CONNECTORS

Front:

(2) USB 2.0

(1) Microphone

(1) Headphone

Rear:

(2) USB 2.0

(1) NIC (RJ-45 or Fiber)

(4) DisplayPort™\*

(1) Speaker/headphone jack

(1) 12V Power Connector

\*The DisplayPort™ did not pass VESA 1.2 certification guidelines

**NOTE:** 1 each of 4 USB 2.0 ports used for keyboard and mouse.

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## PLATFORM

**Host Support** VMware® Horizon View™, PCoIP remote workstations

VMware Horizon® DaaS®, through PCoIP

Amazon WorkSpaces, through PCoIP

**Protocols** PCoIP

**Management** PCoIP Management Console (available from [techsupport.teradici.com](https://techsupport.teradici.com))

**NOTE:** Teradici Desktop Access one (1) year subscription included. Proof of purchase required. Trial begins on date of hardware purchase. PCoIP Zero Clients purchase must be more recent than December 1, 2017. For more information, visit [teradici.com](https://teradici.com).

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## LANGUAGES

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

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### Technical Specifications

#### DIMENSIONS (WxDxH)

1.76 x 5.22 x 7.21 in (without stand)

4.48 x 13.25 x 18.3 cm

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#### SHIPPING DIMENSIONS (WxDxH)

5.31 x 7.87 x 20.28 in

13.5 x 20 x 51.5 cm

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#### WEIGHT

Starting at 1.768 lbs

Starting at 0.802 kg

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#### SHIPPING WEIGHT

5.95 lbs

2.7kg

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#### VOLUME

1.09 liters

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#### POWER

36 W AC adapter (12V DC)

Worldwide auto-sensing 100-240 VAC, 50-60 Hz

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#### ENVIRONMENTAL

**Operating temperature range**      Standard  
32° to 104° F (0° to 40° C)

**Non-operating temperature range**      -4° to 158° F (-20° to 70° C)

**Humidity**      10% to 90% non-condensing  
5% to 95% storage

**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.

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Technical Specifications

**REGULATORY COMPLIANCE**

<b>Safety</b>	UL 60950-1; cUL No. 60950-1-07
<b>Electro-Magnetic Compatibility</b>	FCC (CFR 47, Part 15); ICES-003

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### Technical Specifications – Environmental Data

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

	115 VAC (60Hz)	230 VAC (50Hz)	100 VAC (60Hz)
Idle State: (Monitor on & Network connected)	10.1 W	10.4 W	10.2 W
Idle State: (Monitor off & Network not connected)	8.3 W	8.4 W	8.3 W
Off Mode: (WoL Enabled)	1.6 W	1.7 W	1.7 W
Off Mode: (WoL Disabled)	0.2 W	0.2 W	0.2 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)	234.46 BTU/hr	35.490 BTU/hr	234.80 BTU/hr
Idle State: (Monitor off & Network not connected)	28.32 BTU/hr	28.66 BTU/hr	28.32 BTU/hr
Off Mode: (WoL Enabled)	5.46 BTU/hr	5.80 BTU/hr	5.80 BTU/hr
Off Mode: (WoL Disabled)	0.68 BTU/hr	0.68 BTU/hr	0.68 BTU/hr

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

#### RECYCLED MATERIAL

- |                  |   |
|------------------|---|
| <b>Product</b>   | <ul style="list-style-type: none"> <li>• This product contains at least 10% recycled materials (by weight).</li> <li>• This product is at least 90% (by weight) recyclable when disposed of properly at end of life.</li> </ul>   |
| <b>Packaging</b> | <ul style="list-style-type: none"> <li>• Bamboo packaging material contains at least 30% (by weight) post-consumer recycled content.</li> <li>• The corrugated paper packaging materials contains at least 80% (by weight) post-consumer recycled content.</li> <li>• The packaging for this product is 100% (by weight) recyclable when disposed of properly.</li> </ul> |



### Technical Specifications – Environmental Data

#### 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
- 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)

### Technical Specifications – Environmental Data

#### **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**

HP Inc. 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 HP Inc. 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.

#### **HP Inc. 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>

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>

Options and Accessories (sold separately)

### Options and Accessories

<u>Category</u>	<u>Product Name</u>	<u>Part Number</u>
<b>Accessories</b>	VESA Mount Bracket	W3T77AA
	DisplayPort™ -to-DVI-D adapter*	FH973AA
	100Mbps Fiber NIC module	C9E56AV
	1Gbps Fiber NIC module	V3A52AV
<b>Security</b>	HP Cable Lock	PC766A

\*The DisplayPort™ did not pass VESA 1.2 certification guidelines

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### Summary of Changes

<b>Date of change:</b>	<b>Version History:</b>		<b>Description of change:</b>
November 9, 2017	From v1 to v2	Changed	Last bullet on HP PCoIP Zero Client System Features updated
		Added	Footnotes on HP PCoIP Zero Client System Features and Platform sections
December 18, 2017	From v2 to v3	Added	Footnote to DisplayPort
October 21, 2020	From v3 to v4	Changed	DISPLAY section

title

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