Overview

Package contents

- CD9500-series or CD7500-series zero client (× 1)
- Power adapter (× 1) and power cord (× 1)
- DVI-to-Dual-Link-DVI adapter (Y-cable) for 2560 × 1600 displays (× 1) or DP cable

Front and rear panel

ClearCube® CD9500-series and CD7500-series zero clients connect to ClearCube PC blades containing Tera 1 or Tera 2 host cards and to virtual machines to provide:

No.	Description
1	PCoIP® session indicator
2	Power button
*3	Front USB ports: (× 2 or × 4)
4	HD audio out
5	HD audio in
6	MAC address and serial number (on bottom)

No.	Description
7	Rear USB ports
*8	Ethernet Connector: RJ45 or SFP (varies by model)
*9	Video connectors: × 2 or × 4 DVI or DisplayPort®
10	HD audio out
*11	Kensington® Security Slot (some models)
12	Power jack

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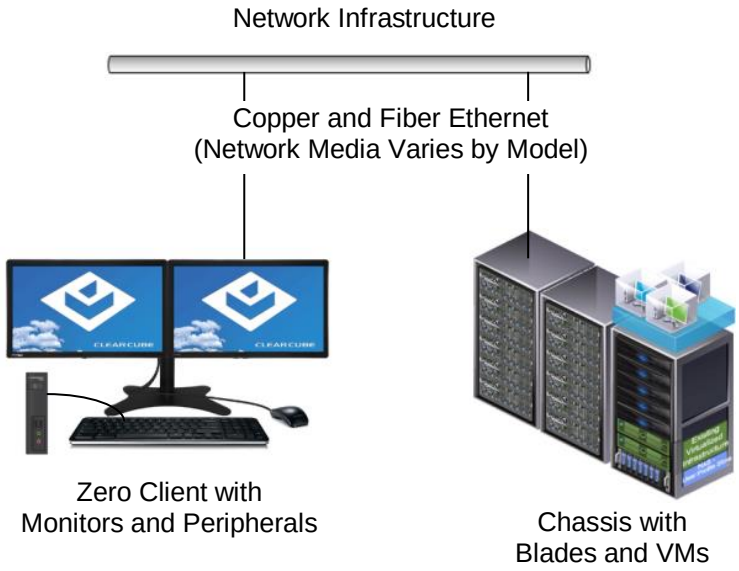
Overview, Continued

Zero client and PCoIP overview

A *Cloud Desktop*, or *Zero Client*, is a remote computing device that connects a user's monitors, keyboard, mouse, speakers, and other peripherals to remote computers and to virtual desktops (VMs). As shown below, computing resources are typically located in remote data centers.

Zero clients enable users to work on a blade or VM as if it is a local PC. The connection between the zero client and the remote device is over PCoIP protocol. Inside the remote device, a host card manages the PCoIP session



Zero Client Setup

Button and indicators

The list below explains indicators and front panel button operations:

- **Power Button Colors**
  - **Green (*solid*):** zero client is powered on.
  - **Green (*blinking*):** PCoIP session is sleeping. Press any key on the keyboard to resume the session.
  - **Orange:** zero client is in low-power state and wake-on-LAN (WoL) or wake-on-USB (WoUSB) is enabled. ClearCube Sentral or third-party utilities can provide WoL and WoUSB features for devices.
- **Power Button Operations**
  - **Power on:** when orange, press briefly (turns green)
  - **Power off:** press and hold for 3 seconds (turns orange)

While in session:

- When connected to a PCoIP host card, press to display the Zero Client Control Panel (on monitor) with options to disconnect or power the down host device. Press the power button repeatedly to scroll through options or to cancel.
- When connected to a VM, press to disconnect.

- **PCoIP Session Indicator**—shows when a connection, or session, is established between the zero client and a host. The link indicator is either of the following:
  - **Green**—a session is established between the client and a host.
  - **Off**—there is no session between the client and a host.

Setup and cooling requirements

- Ensure at least 4 inches of space around all zero client edges and at least 2 inches of space above the client.
- Ambient operating temperature: 0° to 35° C (32° to 95° F).
- Do not stack any objects on top of the zero client.
- Do not block the zero client's side vents by leaning papers, folders, computer speakers, or any other objects against the sides of the client.
- Ensure adjacent furniture (file drawers, desk supports, chairs) do not block or enclose any sides of the zero client.
- Do not place the zero client in enclosed environments such as on a shelf or inside a drawer.
- Ensure that all connected cables are supported.

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Zero Client Setup, Continued

Default settings and IP address

- DHCP enabled
- SLP discovery enabled
- Session type: direct to host + SLP discovery
- Fallback IP addresses:
  - **Zero client:**192.168.1.100
  - **Host card:** 192.168.1.101

By default, zero clients and host cards are configured to receive an IP address from a DHCP server. If a DHCP server does not assign an address within 120 seconds, the zero client uses a default, fallback IP address. Fallback addresses enable devices to always have a known IP address.

NOTE: If you use the fallback addresses and have DHCP enabled, you must wait 120 seconds before you can connect to a host. If you use the direct connect methodology in your environment, ClearCube recommends disabling the client's DHCP setting to eliminate the need to wait 120 seconds before connecting.

IPv6 support

ClearCube Zero Clients with Teradici firmware 5.0.0 support IPv6.

VMware Horizon 6.1 supports IPv6 for zero clients with Teradici firmware 5.0.0.

For more information, see “IPv6 network settings” in the link below:
http://www.teradici.com/web-help/PCoIP_ZC_Config_HTML5/01_Whats_New/Whats_new.htm

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Zero Client Setup, Continued

Setting up zero clients

The steps below show how to connect peripherals, a network cable, and a power supply to a zero client. These steps assume that the zero client and host card are on the same network as a DHCP server.

Step	Action
1	Power on the remote PC blade containing the host card to which you are going to connect.
2	Connect a monitor cable to each port on the zero client and to your monitors. See "Single and high-resolution monitors" below for alternate video configurations.
3	Connect a network cable to the connector located on the rear of the zero client, and then connect the other end of the cable to the appropriate network infrastructure device (such as a network switch, fiber transceiver, or router).
4	Connect a USB keyboard and a mouse to the USB ports on the front or on the rear of the zero client.
5	Connect the power cable to the AC power adapter (both are included with the zero client).
6	Connect the power adapter to the rear of the client, and then plug the power cable into a power outlet. See "Button and indicators" above for information about powering the zero client on and off.

Next step: You can now click **Connect** and select the host card to connect to from the list displayed on the on-screen display (OSD).

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Zero Client Setup, Continued

Single and high-resolution monitors

If you are connecting a single monitor or a 2560 × 1600 monitor to a zero client, perform the appropriate step shown below.

NOTE: To support a single-monitor or 2560 × 1600 monitors, install Teradici PCoIP Host Software (available from ClearCube Support) on each host device.

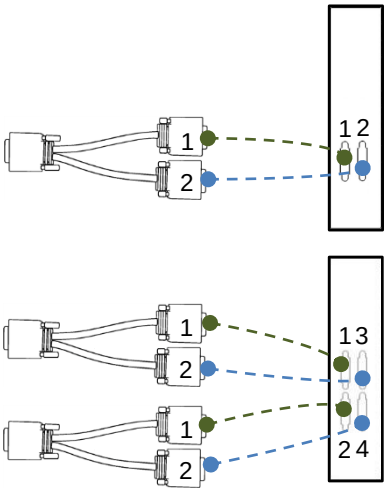
Connecting a single monitor

Enable the Host Driver function on the peer host card and install Teradici Host Driver software. See Tech Bulletin *TB00274: Configuring Dual-Monitor Systems for Single-Monitor Use* on ClearCube Support for more information.

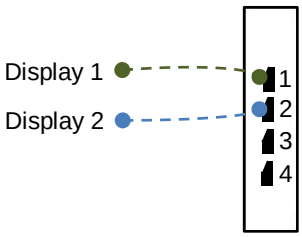
Connecting 2560 × 1600 monitors

1. Enable the Host Driver function on the peer host card.
2. Install Teradici Host Driver software.
3. Connect cables as shown below. Note indicators **1** and **2** on the Y-cable and connect them to the corresponding connectors on the zero client.

DVI: single and dual 2560 × 1600 displays



DisplayPort: single and dual 2560 × 1600 displays



Resources and Support

Additional Information

See the ClearCube Support site for additional information and downloads. From the ClearCube Support site (www.clearcube.com/support/), click the **Desktop Devices** drop-down menu, and then click your zero client model number.

Contacting Support

Web site: www.clearcube.com/support

Email: support@clearcube.com

Phone: (512) 652-3400

Toll-free: (866) 652-3400

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WEEE Disposal Guidelines

In the European Union, this electronic product falls under the European Directive (2002/96/EC) WEEE. When it reaches the end of its useful life or is no longer wanted, dispose of it at an approved, designated recycling or treatment facility. Check with your local authorities for proper disposal instructions. For assistance, contact ClearCube at recycle@clearcube.com.