



CLEARCUBE

# Zero Client CD2022/24

## Dual DisplayPort Copper Zero Client w/6 USB Ports plus Integrated CAC reader

### Future-Ready Secure Zero Clients for Centralized and Virtualized Computing



#### Future-Proof Your Zero Client Display Options

ClearCube NEW CD2022/24 zero clients, featuring two DisplayPort connections, capitalize on the present and future evolution of desktop displays in virtual desktop infrastructure (VDI) environments. As the industry migrates away from DVI port connections on display monitors, CD2022/24 provides a connector compatibility path that allows connectivity to new DisplayPort supported displays for the foreseeable future.

With support for dual monitors and full-performance video, Cloud Desktop 2022/24 (CD2024) connects to VMware® virtual desktops on SmartVDI systems, 3rd party virtual machines, and remote ClearCube Blade PCs.

For sites where data security is paramount, CD2022/24 sets itself apart from all competitors. Compared with DVI ports, DisplayPorts have lower voltage swings that emit less electromagnetic radiation; therefore, they are considered less susceptible to malicious intent “snooping-activity” at secure facility locations and SCIFs.

Designed to tolerate rough use, CD2022/24’s metal chassis is durable and CD2024 is oriented for CAC/SIPR card insertion. Enabling secure authentication, CD2024 integrates a PKI-approved CAC/SIPRnet token reader that supports 5v, 3v, and 1.8v smart cards. CD2024’s smartcard reader is on Teradici PCoIP approved list, and is supported by VMware as well.



CD2024 is the only copper zero client on the market that contains an integrated CAC reader, two DisplayPorts and six USB 2.0 devices. Further security is provided by AES-128/AES-256 Suite B Cipher encryption found in the PCoIP protocol.

#### Benefits



- Delivers full desktop quality computing experience via an IP connection to Blade PCs or VMware Horizon based hosts



- Increases security of physical and data assets  
- Strong AES256-bit encryption  
- CD2024 has integrated smart card reader



- 6 USB 2.0 ports (4 front / 2 rear)  
- 1 DP and 1 DP++ display connectors



- Provides all the benefits of a standard PC with no noise, less heat, and less space



- ClearCube Zero Clients are fully TAA-compliant.

#### Full PC Experience over IP

In ClearCube Centralized and Virtualized Desktop Infrastructures (CVDI), CD2022/24 can broker a connection to both SmartVDI and Blade PC resources using VMware Horizon. Dedicated 1:1 users can take advantage of hardware accelerated PCoIP chips in ClearCube Blade PCs to support legacy, mission-critical, and/or GPU-intensive applications.



# Zero Client Models CD2022/24

## High Performance, Optimal Quality

CD2022/24 Zero Clients deliver simultaneous full screen, full motion video at high resolution on one or two monitors. Each monitor is independently configurable for both resolution and choice of portrait or landscape orientation. Supported resolutions are 1x 2560x1600 using a single display port cable or 2x 1920x1200 using two cables.

## Simple Installation, Secure Hardware

CD2022/24 Zero Clients require no special OS drivers. There are no moving parts that can fail and no removable parts that encourage user tampering/theft. The units easily connect all standard peripherals including multiple monitors, keyboard, mouse, audio input/output devices and USB peripherals.

## Full Power USB (1 amp) Support

CD2022/24 Zero Clients work with existing Ethernet networks and have two display port connectors (1 DP and 1 DP++). The DP++ connector provides backward compatibility with DVI with the use of a passive display port to DVI cable.

This great desktop package comes with 4 front Type-A USB 2.0 ports and 2 rear Type-A USB 2.0 ports. Full power USB (1amp) is supported by using a single USB connection in the paired stack, leaving the other connector in the pair empty. This feature can be used to support higher power USB peripherals or for faster cell phone charging, for example.

## CD2022/24 Zero Client Specifications

Chipset	Teradici TERA2321 PCoIP™
Operating System	None
Display	Single: 2560x1600@60Hz, Color Depth: 8, 15, 16 or 24bpp Dual: 1920x1200@60Hz, Color Depth: 8, 15, 16 or 24bpp
I/O Physical	DisplayPort × 1 DisplayPort++ × 1 USB 2.0 × 6 3.5mm Microphone jack × 1 3.5mm Headphone jack × 1
Network	LAN: RJ-45, 10/100/1000 BASE-T Power connection for auto-sensing power adapter
Max Consumption	8 Watts w/o USB; 26 Watts w/ 6 high power USB devices attached
Power Supply	Universal 100-240 VAC, 50-60Hz Output: 12 V DC
Security	Kensington Slot for use with Kensington locks Integrated PKI approved smart card reader on CD2024
Environment	Stationary office installation, 0° to 35° C
Physical Characteristics	Metal
Dimensions	6.5 inches (h) x 1.5 inches (w) x 5 inches (d)
Accessories	Zero Client 7 Port USB Module DVD Player / Carriage Tray Mounting Bracket

### Featuring:



1 DisplayPort ++

1 DisplayPort

## Ordering Information

Call: (866) 652-3500 Email: [sales@clearcube.com](mailto:sales@clearcube.com) to order or for more information.

Model Name	Part Number	Part Description
Zero Client CD2022	G0900358	Model CD2022 Zero Client, Dual Display Fiber, 6 USB,
Zero Client CD2024	G0900360	Model CD2024 Zero Client, Dual Display Fiber, 6 USB, CAC