



ClearCube® CD7012/7014 ZERO+ Client

The Security of ClearCube Zero Clients + CAC Reader + Fiber Connections + Multiple Protocol Options

Featuring Secure, Non-Removable AMD GX-215JJ Dual-Core Embedded SoC

CD7012/7014 ZERO+ Clients are small hardware zero clients that enable users to work on powerful computers that are remotely located in secure datacenters. The CD7012/7014 ZERO+ Client delivers hardware and firmware implementations that enhance zero client data security, while delivering ultra-high definition graphics in any VDI environment.

Security features include an integrated PKI-approved CAC reader that supports 5V, 3V, and 1.8V smart cards for enhanced user-to-network and user-to-application authentication. The 100/1000 BASE-X SFP fiber-optic network module (with LC optical interface) provides increased data security and integrity. Firmware and data security is hardened by embedded, non-removable eMMC flash memory soldered directly to the ZERO+ Client printed circuit board. Clearcube Desktop Zero Clients are fully TAA-Compliant.



Benefits



Improve data and hardware security by removing local disks to minimize opportunities for theft and misuse.



CD7014 has Integrated CAC Reader and fiber Network connectivity for secure authentication and data transmission.



Cloud Desktop firmware supports CITRIX® Xen Desktop, VMware® View with Blast extreme and PCoIP®, and others.



Browser-based Cloud Desktop Management with real-time monitoring, asset management, and job scheduling.



CD7014 Zero+ Rear View

The CD7012/7014 gives IT Administrators in DOD, government and military VDI environments flexibility with a choice of remote display protocols. ClearCube Cloud Desktop Firmware lets administrators choose from many options, including CITRIX Xen Desktop, VMware View with Blast Extreme and PCoIP, and many more.

CD7012/7014 ZERO+ Clients meet the demands of task and knowledge workers in VDI environments. The AMD® GX-215JJ (1.5–2.0 GHz) dual-core SoC (System on Chip) provides high-performance multimedia and 4K graphics using the Radeon R2E graphics core with 2 compute units. The CD7012/7014 ZERO+ supports up to two 1920 × 1200 full-motion video displays or one static display up to 4K resolution.

I/O ports include four USB 3.1 ports and two USB 2.0 ports (six total), one GbE LC fiber-optic LAN port, 3.5 mm audio input and output jacks, and two dual-mode DisplayPort 1.2 (DisplayPort++) connectors. DisplayPort++ connectors accept passive adapters to deliver HDMI and DVI signals. An integrated Kensington® Security Slot provides added security. Expansion options include an internal WLAN module (Wi-Fi 2.4G and 5G, Bluetooth 3.0 and 4.1) and an optional optical drive/DVD writer add-on.



Model CD7012/7014

ClearCube Cloud Desktop Firmware is a minimal-footprint option for ClearCube CD7012/7014 ZERO+ clients. The Cloud Desktop platform minimizes the pains and risks of switching to VDI environments, making it fast and easy for organizations and companies of all sizes to immediately benefit from VDI client computing.



Cloud Desktop Firmware comes with support for PCoIP, VMware Horizon with Blast Extreme, and CITRIX HDX remote connectivity protocols. This firmware enables Administrators to centrally-manage secure and virus-proof CD7012/7014 ZERO+ clients that can connect to hosted desktops, cloud-hosted desktops, or centrally-hosted applications out of the box.

ClearCube Cloud Desktop Management is a browser-based administration tool that helps IT manage, configure, monitor and update CD7012/7014 ZERO+ clients from one place. Features such as network booting to remove all local storage, real-time monitoring & tactical overview, job scheduling and asset management, and peripheral inventory take the burden out of managing devices on your network.

CD7012/7014 ZERO+ Client Specifications

Processor	AMD GX-215JJ SoC: 1.5-2.0 GHz dual-core with Radeon R2E based graphics core (2CU)
Memory	4GB DDR4 SO-DIMM single-channel SDRAM, non-ECC
Display	3840 x 1080 UHD at 60 Hz, static screen (x1) 2560x1600 at 60HZ, static screen (x1) 1920 x 1200 FHD at 60 Hz (60 fps), video playback (x2)
Storage	4GB solder-on (non-removable) eMMC
I/O Physical	Dual-mode DisplayPort x 2 USB 3.0 x 4 USB 2.0 x 2 3.5mm audio out jack (front) 3.5mm audio in jack (front) 1W internal speaker x 1
Wireless (Optional)	2.4G and 5G dual-band 802.11 a/b/g/n/ac Wi-Fi (2T/2R) Bluetooth HS + 4.1 BLE integrated wireless with external dual antennas
Networking	Fiber SFP Module 1000BASE-SX or LX, LC connector or 1000 BASE-T WLAN x 1 (optional, Wi-Fi 2.4G and 5G, Bluetooth 3.0 and 4.1)
Temperature	Operation: 32 to 104 °F (0 to 40 °C) Storage: -4 to 140 °F (-20 to 70 °C)
Relative Humidity	Relative (non-condensing): 10% to 90% Storage: 5% to 95%
Power	24W, DC 12V/2A external power adapter
Mounting	VESA bracket (optional) Optical drive/DVD writer (optional)
Security	Kensington Slot for use with Kensington locks Integrated PKI approved smart card reader on CD7014 Model
Physical Characteristics	Metal
Dimension	6.5inches x (H) x 1.5 inches (W) x 5 inches (D)
Regulatory Compliance	CE/FCC

Ordering Information

Use the following part numbers to order

Model CD7012/14 Zero Plus Client Ordering Information

Model No.	Part Number	Part Description
CD7012	G0900413	CD7012 Zero Plus
CD7014	G0900414	CD7014 Zero Plus with CAC Reader

Call: (866) 652-3500

Email: sales@clearcube.com

to order or for more information.