ZERO+ Client
Model CD7012/14

The Security of ClearCube Zero Clients + Multiple Protocol Support

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

Designed with users in mind, CD7012/14 ZERO+ clients are powered by efficient AMD GX-215JJ dual-core processors with Radeon R2E based graphics core (2C) to deliver excellent computing, high-performance graphics and PC-like user experience. CD7012/14 ZERO+ Clients are small endpoint devices that enable users to work on powerful computers that are remotely located in secure datacenters, and gives IT Administrators in VDI environments flexibility with a choice of remote display protocols.

The CD7012/14 ZERO+ Client delivers hardware and firmware implementations that enhance zero client data security, while delivering ultra-high definition graphics in any VDI environment.

Benefits

-Delivers full desktop quality computing experience via an IP connection to Blade PCs or VMware Horizon desktop with no noise, less heat, and smaller space requirements	- Soldered down eMMc improves data and hardware security by removing local disks to minimize opportunities for theft and misuse. -CD7014 has integrated smart card reader for secure authentication and data transmission.	Multi-protocol support: Citrix® Xen Desktop, VMware® View with Blast extreme and PCoIP®, and others.	- ClearCube Zero Clients are fully TAA-compliant. -Industry's only advanced ship replacement warranty (CONUS)	-VESA and under the desk mount (optional) -7 USB ports add-on -DVD add-on -Optical drive/DVD writer

Feature Rich Secure Endpoint

The CD7012/14 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 to support up to two 2160 ×1600 full motion video displays. DisplayPort++ connectors accept passive adapters to deliver HDMI and DVI signals. 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 or 7 USB ports add-on.

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, and an integrated Kensington® Security Slot provides added anti-theft security. 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-Complaint.

![ClearCube logo]

ZERO+ Client
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TAA Compliant
Assembled & tested in the USA

CD7012/14 Rear View

Specifications

Processor
AMD GX-215JJ SoC: 1.5-2.0 GHz dual-core with Radeon R2E based graphics core (2CU)

Storage
4GB solder-on (non-removable) eMMC

External I/O Ports
Dual-mode DisplayPort × 2

USB 3.0 × 4
USB 2.0 × 2
3.5mm audio out jack (front) x 1
3.5mm audio in jack (front) x 1
1W internal speaker × 1
Power button x 1

Physical Characteristics
Metal housing

Power
20W, DC 12V/2A external power adapter

Environment
Relative: 10% to 90% non-condensing
Storage: -5% to 95% non-condensing

Mounting Options
VESA mount (Included)
Optical drive/DVD writer (optional)
7 Port USB Module

Regulatory Compliance
CE/FCC

Memory Capacity/Type
4GB DDR4 SO-DIMM single-channel SDRAM, non-ECC

Display/Resolution
Dual 2160x1600 @ 60Hz UHD video playback

Network
LAN: Fiber SFP Module 100BASE-FX /1000BASE-SX, LC connector x1
Wi-Fi 2.4G and 5G, Bluetooth 3.0 and 4.1 x1 (optional)
Bluetooth HS + 4.1 BLE (optional)

Security
Kensington security slot for use with Kensington locks
Integrated PKI approved smart card reader on CD7014 Model

Dimensions
6.5 (H) × 1.5 (W) × 5 (D) in

Gross Weight
0.5 lbs (295 gr)

Temperature
Operating: 32 to 104 °F (0 to 40 °C)
Storage: -4 to 140 °F (-20 to 70 °C)

Operating System
ClearCube Cloud Desktop OS (Optional)
IGEL OS (Optional)
Microsoft Windows 10 IoT Enterprise (Optional)
Linux - No OS

Note: Max resolution may vary, depending on operating system

Description	Part Number
CD7012 Fiber ZERO+ Client	G0900413
CD7014 Fiber ZERO+ Client w CAC reader	G0900414

Industries

Defense

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Ordering Information

Call: (866) 652-3500

Email: sales@clearcube.com

to order or for more information