ClearCube D5012/14 ZERO+ Client

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

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

CD5012/14 ZERO+ Clients are small hardware zero clients that enable users to work on powerful computers that are remotely located in secure datacenters. The CD5012/14 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. 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.

Benefits

Improve data and hardware security by removing local disks to minimize opportunities for theft and misuse.	CD5014 has Integrated CAC Reader and fiber Network connectivity for secure authentication and data transmission.	Cloud Desktop firmware supports Citrix® XenDesktop, VMware® View with Blast Extreme, PCoIP and others.	Compatible with ClientCube Family	Compact form factor reduces desktop footprint

Rear View

PC Features with Greater Flexibility

The CD5012/14 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.

CD5012/14 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 CD5012/14 ZERO+ supports up to two 1920 × 1200 full-motion video displays, dual static 2560x1600 displays, or a single static display up to 4K resolution.

I/O ports include four USB 3.1 ports and two USB 2.0 ports (six total), one RJ45 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. CD5014 integrates a PKI-approved CAC/SIPRnet token reader. Expansion options include an internal WLAN module (Wi-Fi 2.4G and 5G, Bluetooth 3.0 and 4.1), 7-Port USB Module, and an optional optical drive/DVD writer add-on.

ZERO+ Client
Model 5012/14

Cloud Desktop Firmware and Management

ClearCube Cloud Desktop Firmware is a minimal-footprint option for ClearCube CD5012/14 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 CD5012/14 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 CD5012/14 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.

CD5012/14 ZERO+ Client Specifications

Processor	AMD GX-215JJ SoC: 1.5-2.0 GHz dual-core with Radeon R2E based graphics core (2CU)
Memory	4 GB DDR4 SO-DIMM single-channel SDRAM, non-ECC
Display	**Single:** up to 3840 x 1080 UHD at 60 Hz, static screen **Dual Static:** 2560x1600 **Dual Full Motion Video:** 1920 x 1200 FHD at 60 Hz (60 fps)
Storage	4GB solder-on (non-removable) eMMC
I/O Physical	Dual-mode DisplayPort × 2
	USB 3.0 × 4
	USB 2.0 × 2
	3.5mm audio out jack (front)
	3.5mm audio in jack (front)
	1W internal speaker × 1
Networking	LAN: RJ-45, 10/100/1000 BASE-T (Gigabit)
	Wi-Fi 2.4G and 5G dual-band 802.11 a/b/g/n/ac (Optional)
	Bluetooth HS + 4.1 BLE integrated wireless with external dual antennas (Optional)
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	60W, DC 12V/5A external power adapter
Mounting	VESA bracket (optional)
Add-on	Optical drive/DVD writer (optional)
	7-Port USB Module
Security	Integrated PKI approved smart card reader on CD5014 Model
	Kensington Slot for use with Kensington locks
Physical Characteristics	Metal
Dimension	6.5 in (H) × 1.5 in (W) × 5 in (D)
Regulatory Compliance	CE/FCC

Ordering Information

Call 866-652-3500 or email sales@clearcube.com to order or for more information.

Part Number	Description
G0900440	CD5012 Zero Plus
G0900441	CD5014 Zero Plus