

# ZERO+ Client

## Model CD5012/14



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, CD5012/14 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. CD5012/14 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 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.

### 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.
- CD5014 has integrated smart card reader for secure authentication and data transmission.



- Supports Citrix® Xen Desktop, VMware® View with Blast extreme and PCoIP®, and others.
- Compatible with ClearCube Family



- 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

### Feature Rich Secure Endpoint

The CD5012/14 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 x1600 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 includes 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 on the CD5014 model, 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-Compliant.



# ZERO+ Client

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CD5012/14 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) × 1  
 3.5mm audio in jack (front) × 1  
 1W internal speaker × 1  
 Power button × 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

**\*Note:** Max resolution may vary, depending on operating system

### Memory Capacity/Type

4GB DDR4 SO-DIMM single-channel SDRAM, non-ECC

### Display/Resolution

Dual 2160x1600 @ 60Hz UHD video playback

### Network

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 (Optional)

### Security

Kensington security slot for use with Kensington locks  
 Integrated PKI approved smart card reader on CD5014 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

Description	Part Number
CD5012 Fiber ZERO+ Client	G0900440
CD5014 Fiber ZERO+ Client w CAC reader	G0900441

## Industries



Defense



Government Agencies



Command & Control Centers



Training & Education



AEC



Media & Entertainment



Financial



Healthcare



Manufacturing

## Ordering Information

Call: (866) 652-3500

Email: [sales@clearcube.com](mailto:sales@clearcube.com)

to order or for more information