



## ClearCube® CD8840 Thin Client

A Dynamic Thin Client with Three Display Screens and Expansion Options for High-End VDI Performance

Featuring Intel® Celeron® N3160 Quad-Core CPU with Intel® HD Graphics

The CD8840 Thin Client empowers enterprises with performance capabilities that conquers every task. It incorporates responsive system memory, native support for three high-resolution displays and six USB ports in a sleek, compact design featuring an all alloy chassis. CD8840's Intel® Celeron® N3160 quad-core CPU and high-performance graphics deliver the required processing power to enable smarter working, while offering a PC-like experience for standard, mid-range, and high-end applications. CD8840 Thin Clients integrate an extensive set of I/O ports for robust connectivity and quick data transfer, and are optimized for major remote connection protocols.



### Designed for the Industrial Workplace

Protect firmware, encrypt data, and lock down access with the inherently secure CD8840 Thin Client. It features a ruggedized aluminum housing structure that makes for a small attack surface while safeguarding against impacts and allowing for maximum productivity. The small form factor of the CD8840 Thin Client fits just about anywhere – administrators can mount it on the back of a monitor or a wall for reliable, enterprise-grade performance. The CD8840 Thin Client design eliminates fans and vents to protect against dust particles and prevent the ingress of foreign materials. Its fanless design produces practically no noise, making the CD8840 an ideal Thin Client for quiet offices or dusty environments. To address environmental considerations, the CD8840 can operate in a temperature of 0 to 70°C with a thermal envelope of 6W TDP for demanding environments. The RS-232 COM port integrates high-speed data transmission and is widely used to interface with industrial or healthcare hardware. Additionally, it connects peripherals such as receipt printers, barcode scanners, drum scanners, plotters, as well as 3D printers.

The CD8840 Thin Client keeps your data secure across your workloads and workflows with built-in security. You can choose the ideal fit for specific users and environment demands with a variety of configuration options

### Benefits

 Improves hardware and data security by removing local disks to minimize opportunities for theft and misuse	 Cloud Desktop OS supports Citrix Virtual Desktops, VMware® View with Blast Extreme, Microsoft® RDP, and more	 Browser-based Desktop Management with real-time monitoring, asset management, and job scheduling	 Intel® Celeron® N3160 1.6GHz (burst to 2.24GHz), quad-core processor for a PC-like experience	 Wi-Fi, dual Gigabit LAN, and Wake-on-LAN support	 Compact form factor reduces desktop footprint
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### PC Features and Robust Display

The CD8840 includes a total of 6 USB ports across the Thin Client (two USB 3.0 ports and four USB 2.0 ports). Network connectivity features consist of Wi-Fi and two GbE LAN ports. Wake-on-LAN support enables the Thin Client to be switched on or resumed from sleep/hibernation state by a network message. Video options include up to three high resolution displays using one DisplayPort and two HDMI connectors that expand workspace, making navigation between applications simpler. CD8840 Thin Clients support Cloud Desktop OS as well as Windows 10 IoT® Enterprise LTSC operating systems, and come with optimized applications for all the leading remote networking protocols.

# Thin Client

## Model CD8840

### Cloud Desktop OS and Cloud Desktop Management

ClearCube Cloud Desktop OS is a minimal-footprint operating system option for ClearCube thin clients. Deployment options include installing Cloud Desktop OS locally, or network booting for Zero-Client-like security. Cloud Desktop OS comes with support for Citrix HDX, VMware View, Microsoft RDP, and a wide range of terminal services and virtual desktops. This efficient operating system enables administrators to centrally-manage secure and virus-proof thin clients that can connect to hosted desktops, cloud-hosted desktops, or centrally-hosted applications out of the box.



CD8840 rear view with antenna

ClearCube Cloud Desktop Management is a browser-based administrative tool that helps IT manage, configure, and update thin clients from one place. Features such as Real-Time Monitoring & Tactical Overview, Job Scheduling and Asset Management, and Peripheral Inventory take the burden out of managing devices on your network. Administrators can run Cloud Desktop Management from a Linux®-based appliance or install it on 32- and 64-bit Windows operating systems.

### CD8840 Thin Client Specifications

Processor	Intel Celeron® N3160 Quad Core 1.6 GHz (with burst frequency up to 2.24GHz)
Memory	SO-DIMM socket for DDR3L 1600 MHz RAM × 1 (up to 4GB)
Resolution	Triple: 4K (2 static + 1 full motion)
Storage	mSATA up to 64GB
I/O Physical	HDMI × 2 DisplayPort™ × 1 USB 3.0 × 2 USB 2.0 × 4 Audio × 1 DC connector × 1
Networking	LAN (RJ-45, 10/100/1000 BASE-T) × 2 COM Serial Port × 1 Wi-Fi (optional)
Temperature	Operation: 0 to 70 °C Storage: -20/+85 °C
Relative Humidity	10% to 85% non-condensing
Power	Input: 100-240V AC-50/60Hz Output: DC12V/3Av
Mounting	Included VESA mount
Security	Kensington Slot for use with Kensington locks
OS Support	ClearCube Cloud Desktop OS, Windows 10 IoT,
Physical Characteristics	Aluminum housing
Dimension	13.4 W x 12.6 D x 3.85 H (cm)
Weight	NW 0.65kg, GW 1.35kg
Regulatory Compliance	CE/FCC

Note: Max resolution may vary, depending on operating system.

### Ordering Information

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

Description	Part Number
CD8840 Thin Client	G0900458