



## ClearCube® C4Pi Thin Client








Next-Generation Pi® 4 Thin Client Offers Flexible, Powerful Computing in Virtualized and Traditional Environments

### Impressive Performance in a Tiny Machine

The ClearCube C4Pi Thin Client is a high-performance device in a package about the size of a computer mouse. This device is the remote computing solution for organizations needing resilient, dual-display, desktop computer configurations in high end emulation, smart home hub, networked AI core, and media center initiatives.

The C4Pi Thin Client excels wherever a robust remote access client is required—enterprise desktops, state and local government, hospitals, financial services, retail, kiosk applications, and more. It supports extra RAM to run Windows or other demanding software in a compact machine. Enterprises receive significantly enhanced CPU, GPU, and I/O performance in a similar form factor and footprint as its predecessors.

### Benefits

 About the size of a computer mouse	 Quad Core Cortex-A72 Broadcom BCM2711 64bit CPU	 Features Cloud Desktop OS	 Supports VMware® Horizon with Blast Extreme, CITRIX® HDX, Microsoft® RDP, and more	 Support for Bluetooth 5.0, Low Energy (BLE)	 Browser-based desktop management with real-time monitoring, asset management, and job scheduling	 2 x micro-HDMI ports
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The C4Pi is powered by a quad-core, 1.5GHz Broadcom BCM2711B0 64-bit CPU for a notable performance improvement over previous generation models. Dynamic graphics and multimedia efficiencies facilitate a user desktop experience in many graphics-intensive applications, while packing in sufficient power to compete with entry-level x86 PCs.

The Thin Client reduces CPU consumption by offloading video decompression from its CPU to its native hardware using H.264 decoding.

C4Pi features include two micro HDMI® ports, Broadcom VideoCore IV GPU for graphics, and up to 4GB of LPDDR4 RAM that can output 4k video at 60 FPS. True Gigabit Ethernet and 2.4GHz/5GHz wireless LAN provide full-speed network connectivity with no bottlenecks. A pair of USB 3.0 in addition to the usual USB 2.0 offers massive bandwidth boost and high-speed connectivity to external storage and accelerators. Bluetooth 5.0 (BLE) provides the flexibility of making the C4Pi Thin Client IoT solution even better. The functionality offers improved speed, distance, and throughput with power saving capabilities and blazing-fast data transfer speeds to accelerate workloads.

PoE-enabled capability simplifies networking cabling and eliminates the need to run high voltage power to the C4Pi endpoint device, enabling centralized energy management for time and mission-critical scenarios. Administrators can implement network adds, moves, and changes quickly with no delays in completing upgrades or modifications.

Enclosed in an official ClearCube case designed with maximum ventilation and heat dissipation capabilities, a heavy-duty fan supplies the necessary air-flow for simple, passive cooling in enterprise scenarios. Heat sinks attached to the top of the SoC reduces the risk of hardware failure from overheating, allowing administrators to extract even further performance from the Thin Client.



# C4Pi Thin Client

## Cloud Desktop OS and Cloud Desktop Management

ClearCube Cloud Desktop OS, is a secure, 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 integrates support for VMware Horizon, CITRIX HDX, Microsoft RDP, and a wide range of terminal services and virtual desktops. This efficient Linux®-based 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.

ClearCube Cloud Desktop Management is a browser-based administration center for the entire Cloud Desktop line of thin clients with Cloud Desktop OS. Cloud Desktop Management 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.



## C4Pi Thin Client Specifications

Processor	Quad-core ARM Cortex- Broadcom BCM2711 64-bit CPU (1.5GHz)
Memory	1GB, 2GB, or 4GB LPDDR4 RAM
Display	Dual: 4K
Storage	16GB Micro SD card
I/O Physical	Micro HDMI × 2 (up to 4kp60 supported) USB 3.0 × 2 USB 2.0 × 2 USB-C
Audio	3.5mm stereo audio and composite video
Networking	Gigabit Ethernet Bluetooth 5.0 (onboard)
Operating Temperature Relative Humidity	0–50°C
Power Supply	15W USB-C (DC 5V, 3A) external power, optional Power over Ethernet capability (PoE)
OS Support	ClearCube Cloud Desktop OS
Dimension	4.2 (W) Å– 1.4 (H) Å– 2.8 (D) inches
Weight	86g
Regulatory Compliance	CE/FCC

## Ordering Information

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