



CLEARCUBE

R3161D Blade PC WorkStation

High-density Blade with 1:1 PCoIP Remote Performance

ClearCube® R3161D Blade PCs with integrated PCoIP adapters deliver excellent datacenter-to-desktop remote performance, while inhabiting minimal rack space. R3161D Blade PC represents ClearCube fourth generation R Series high density design, providing eight powerful i5 (gen 5 series) computers using only 3U rack space.






R3161D is designed to provide the security benefits of centralized computing at a cost much lower than VDI alternatives that require high annual subscription renewal fees, redundant hardware, specialized training, and desktop virtualization infrastructure.

Blade PCs provide 1:1 dedicated high performance for robust graphics needs and fat client use cases (legacy apps, in-house developed apps, mission-critical apps), not possible to satisfy with virtual desktops. Remote access PCs connected to desktop zero clients allow companies to increase desktop security, increase desktop real estate space, and better manage their PC assets by centralizing the PC resources in their datacenter.

At the desktop, R3161D users utilize ClearCube zero clients over fiber or copper infrastructure connections. With PCoIP zero clients, zero is the key word. There is no operating system, addressable memory, or storage device at the user's desktop. Only host-rendered pixels are transmitted from the Blade PCs to the zero client devices. The PCoIP link between the R3161D and zero client features AES 256bit encryption that adds another element of security.



Benefits

-  -Dedicated 1:1 performance
-  -Integrated Trusted Platform Module (TPM) and UEFI BIOS with secure remote boot capability
-  -Dual Intel® Corei5 OCs offer lower cost per seat. -Addition Intel® vPro™ technology and Intel® AMT 10.0
-  -Up to 16 GB RAM
-  -8 Blade PCs in 3U



8 Blade PCs 2 PCs per Blade
16 PCs in 3U chassis

Meets DoD secure boot and TPM requirements

R3161D has integrated Trusted Platform Module (TPM) and UEFI BIOS with secure remote boot capability that meet the latest US Department of Defense requirements for Windows 10 support.



Blade PC Workstation

Model R3161D

Connection brokering

R3161D Blade PCs shatter the distance barrier by supporting up to three displays with simultaneous full screen, full motion video, and full USB redirection over the network using the PCoIP protocol. VMware Horizon brokers the connections to allow users the flexibility to access their R3161 Blade PCs from multiple zero client locations on their LAN or WAN.

By using R3161D blades, PC assets with storage devices can remain locked up to remove the worry of data theft. The heat and noise generated by computers can be removed from the work area. Blades can be returned to service quicker and can be powered and cooled more cost-efficiently than distributed PCs, as well.



R4300 Chassis with 8 R3161D Blade PCs

R3161D Blade PC Specifications

Form Factor	8 blades fit in single 3U chassis (standard 19" rack width)
CPU	5th generation Intel® Core™ i5-5300U vPro™ processor (2.3 GHz up to 2.9 GHz Turbo Dual Core 3 MB Cache 15W TDP)
Memory Capacity/Type	Dual channel DDR3L SO-DIMMs 1.35V, 1333/1600MHz
DIMM Sizes	Up to 16 GB
Drivers	Internal SSD, SATA, or SSHD drive
Connections	USB 3.0 port (front panel) × 2 USB 2.0 ports (internal header) × 2 Intel 10/100/1000Mbps Network Connections Up to 7.1 surround audio via mini DisplayPort Headphone/Microphone jack on front panel Intel 10/100/1000Mbps Network Connections
GPU/Host Card Options	Intel HD Graphics 5500
Dimensions	4.7" H x 23.5" D x 1.9" W (11.9 cm x 59.7 cm x 4.8 cm)
Gross Weight	4 pounds, depending on configuration (1.8 to 2.3 kilograms)
Power Supply	205 W
AC Voltage	100-240 V, 50-60 Hz
Operating Temperature	Stationary office installation, 0° to 35° C
Operating Relative Humidity	10 to 90% (non-condensing)
Operating System	Microsoft® Windows 10 No operating system (Linux® Ready)
Additional	Intel® vPro™ technology and Intel® AMT 10.0 Discreet Trusted Platform Module (TPM 2.0) One High-Speed Custom Solutions connector (PCIe* x4) 12-19V DC back panel power connector; 12-24V DC internal power

Ordering Information

Call: (866) 652-3500 Email: sales@clearcube.com to order or for additional details.

Model Name	Part Number
R3161D	G0900349