

ClearCube® Model R3161D Blade PC

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's 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.

Meets DoD secure boot and TPM requirements

R3161 has integrated Trusted Platform Module (TPM) and EUFI BIOS with secure remote boot capability that meet the latest US Department of Defense requirements for Windows 10 support.

At the desktop, R3161 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 R3161 and zero client features AES 256bit encryption that adds another element of security.

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



Dedicated 1:1 performance

Intel i5 Processors

8 PCs in 3U

Increased desktop security

integrated Trusted Platform Module (TPM) and EUFI BIOS with secure remote boot capability



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.

14 chassis in 42U rack
112 PCs in 42U rack



Summary

In summary, a centralized PC platform using R3161D Blade PCs is a great fit in areas where:

- Managers want to increase their desktop security profile and prevent the loss of customer sensitive information
- Employees need to collaborate easily by accessing the data on their Blade PC from various zero client locations
- Administrators want to end their struggle with viruses and malware on PCs under end user control
- Sites have a need for a dedicated/isolated CPU and memory for each user
- Sites want to use zero clients at the desktop for security reasons, but the ROI on VDI is not effective due to the size of the deployment, due to a lack of VDI expertise, or due to a need for robust remote application delivery.

Specifications

R3161D Specifications	
Processor	5th generation Intel® Core™ i5 processor
Memory	Dual channel DDR3L SO-DIMMs 1.35V, 1333/1600MHz, 16GB maximum
Graphics	Intel® HD Graphics 5500
Connectivity	Two USB 3.0 port (front panel)
Storage	Internal SSD, SATA, or SSHD drive
Networking	Intel 10/100/1000Mbps Network Connections
Additional features	Intel® vPro™ technology and Intel® AMT 10.0 Discreet Trusted Platform Module (TPM 2.0) One High-Speed Custom Solutions connector (PCIe® x4) PCoIP® v5420 Host Card Adapter
OS	Windows® 7 & 10; Linux®



Ordering Information

Please call for part numbers to order your R3161D Blade PC.

R3161D Order Information	
Part Number	Description
G0900349	R3161 Base Blade