



CLEARCUBE

# R3162D Blade PC WorkStation

## Increased Rack Density with Two Remote PCs per Blade

Remote access PCs 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.

Instead of using unmanaged PCs distributed in the office work areas where they are prone to data theft, service failures, and unsupervised user control, ClearCube enables administrators to take control by removing PCs from the workplace and replacing them with high density centralized Blade PCs within the datacenter, and with zero and thin client end point devices at the desktop.



### Benefits



-Dedicated 1:1 performance



-TPM 2.0 + UEFI 2.3.1 for DoD support



-Dual Intel® Corei5 OCs offer lower cost per seat.

-Addition Intel® vPro™ technology and Intel® AMT 10.0



-Up to 16 GB RAM



-16 Blade PCs in 3U



### Dual i5 PCs Offer Lower Costs Per Seat

R3162D Blade PC is unique in the market. With two Intel® i5 computers per blade, R3162D is designed with a low cost per seat ratio 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.

R3162D Blade PC doubles the density over all previous blade generations. Up to 16 dedicated processor subsystems fit into one 3U rack mount chassis enclosure. Although sharing a common blade PC carrier, each i5 subsystem operates independently with its own Ethernet connection to the network and Ethernet connection to the workspace.

Access to the remote PCs within the blades is via zero clients or thin clients at the worker locations. Both client types reduce the desktop footprint, noise, heat and security risks normally



# Blade PC Workstation

## Model R3162D

### Endpoint Protocol Flexibility

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.

With RDP thin clients, an embedded slimmed down operating system (either Windows or Linux) is loaded on the thin client and some of the graphics processing is done locally at the desktop, rather than entirely on the blade PCs as is the case with zero clients. Because of local USB support, thin clients support a higher performance range of USB peripheral devices than zero clients.

The beauty of the R3162D Blade PC is that it utilizes PCoIP workstation access software, Citrix HDX and Microsoft RDP protocols. Administrators can select whichever platform that is most comfortable or familiar to them.

By using R3162D 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.

Additional benefits can be realized by deploying connection brokers. A connection broker allows the zero client or thin client end point device to route to desired and designated host resources. Moves/Adds/Changes become easy to execute from various locations, allowing users to access their specific remote PC from zero and/or thin clients in different offices and meeting rooms by entering their log in information.



**R4300 Chassis with 8 R3162D Blade PCs, 2 PCs per Blade for a total of 16 PCs in 3U chassis**

### R3162D 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	Up to 1 SATA drive + M.2 Slot
Connections	USB 3.0 port (front panel) × 2 USB 2.0 ports (internal header) × 2 Intel 10/100/1000Mbps Network Connections Intel 10/100/1000Mbps Network Connections
GPU/Host Card Options	Intel HD Graphics 5500
Storage	Internal SSD or SATA drive
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 to 5 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](mailto:sales@clearcube.com) to order or for additional details.

Model Name	Part Number
R3162D	DG3162D