ClearCube® Model R3162D Blade PC

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.

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 associated with distributed PCs.

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

Dedicated 1:1 performance

Dual Intel® i5 PCs offer lower costs per seat

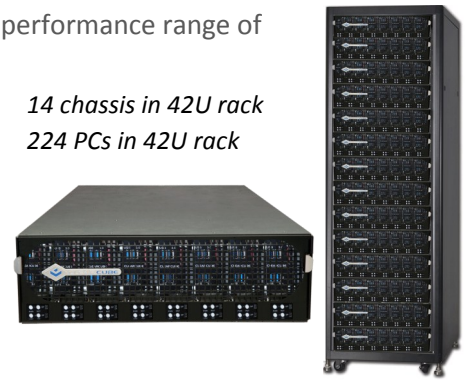
16 PCs in 3U

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

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.

14 chassis in 42U rack
224 PCs in 42U rack



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.

Summary

In summary, choosing R3162D as your centralized PC platform will be an easy decision if you have to deal with any of the following:

- Managers who are worried about losing customer sensitive information
- Workers who are stressed about work loss when their PC fails or needs service
- Employees who cannot collaborate easily because they can only access their data from their own cubicle's PC
- Workers who complain that their PC's noise and heat is intrusive and irritating
- Administrators who struggle with viruses and malware on PCs under end user control
- For sites where a dedicated/isolated CPU and memory are required for each user.
- For sites where the ROI on VDI is not effective due to size of the deployment.
- For tighter cost control when scaling small number of users

Specifications

R3162D Specifications	
Processors	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	Dual channel DDR3L SO-DIMMs 1.35V, 1333/1600MHz, 16GB maximum
Graphics	Intel HD Graphics 5500
	2x mini DisplayPort 1.2
	1x eDP (2 lane with backlight and adjustable voltage/timings)
Audio	Up to 7.1 surround audio via mini DisplayPort
	Headphone/Microphone jack on front panel
Connectivity	Two USB 3.0 port (front panel)
	Two USB 3.0 ports (back panel)
	Two USB 2.0 ports (internal header)
Storage	Internal SSD or SATA 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)
	12-19V DC back panel power connector; 12-24V DC internal power
OS	Windows 7 & 10; Linux

Ordering Information

Please call for part numbers to order your R3162D Blade PC.

DS_Blade PC_R3162D_20160113_RevA.pub