



CLEARCUBE

# R3092D Blade PC WorkStation

Blade PC with Intel® 7th Generation Xeon® /Core™ i7, AMT 11.0, 64 GB RAM, and Thunderbolt™ 3

ClearCube® R3092D Blade PCs deliver powerful datacenter-to-desktop computing capabilities for the entire range of users in your organization. R3092D Blade PCs provide IT organizations with the ability to address the needs of VMware Horizon power users in VDI environments by utilizing the robust features of 7th-generation Intel® Xeon®, Core™ i7, and i5 series processors, the Intel C236 chipset (Kaby Lake), 64 GB of DDR4 DIMMs, PCIe® graphics, and three Gigabit Ethernet connections.






Blade PCs also provide high-performance, dedicated 1:1 connectivity for Centralized Desktop Infrastructure (CDI) users for traditional desktop use cases (graphics applications, legacy apps, apps developed in-house, mission-critical apps, and so on) not possible with virtual desktops.

Offering the industry's highest rack density of eight Blade PCs in a 3U rack space, ClearCube employs advanced thermal designs and cooling to deliver the latest Intel desktop processors for power users. Blade-mounted fans and high-volume chassis fans provide ample cooling. The ClearCube architecture centralizes processing power in the data center so users get full multi-core performance without the heat or fan noise of traditional desktop PCs. Securing computing assets (data storage, memory, graphics cards) in the data center is a massive security benefit for every organization.

## Thunderbolt 3 for Additional Video, Peripherals, and Storage

The R3092D brings the speed and versatility of Thunderbolt 3 to Blade PCs. The Thunderbolt 3 connector on the R3092D front panel enables administrators to connect an additional display for diagnostics and maintenance, mass storage devices for imaging, or multiple Thunderbolt peripherals, all from the same front-panel connector.

## Benefits

-  -Powerful 1:1 performance
-  -Integrated PCoIP Host Card  
-Thunderbolt™ 3 support  
-Up to 3 displays
-  -Intel ATM 11.0  
-Xeon®, Core™ i7, and Core i5 CPUs
-  -Up to 16 GB RAM
-  -16 Blade PCs in 3U



## Full PC Experience-over-IP

Working with ClearCube Cloud Desktop fiber and copper zero clients, R3092D Blade PCs support up to three displays with simultaneous full screen, full motion video, and full USB redirection over the network using the PCoIP protocol.

## Perfect Complement to VDI Environments

R3092D provides IT organizations with the ability to address the needs of power, knowledge, and task users in VDI environments by seamlessly integrating into VMware virtual desktop environments. VMware Horizon and ClearCube Sentral management software broker connections between ClearCube PCoIP™ zero clients and R3092D blades, while Sentral also enables direct connect brokering between R3092Ds and zero clients.

By centralizing user Blade PCs, IT organizations achieve VDI- like benefits with high availability, ease of management and power efficiencies in a dense data-center-friendly solution.



# Blade PC Workstation

## Model R3092D



R4300 Chassis with 8 R3092D Blade PCs



### Next-Generation Modules and C/Port Support

The R3092D is the next generation of ClearCube R-Series Blade PCs and provides features new to R-Series blades and chassis. The R3092D is backward compatible with previous generation blades and chassis, and previous generation blades.

#### When populating the R4300 Chassis with all R3092D Blades:

- Replace the R-Series chassis R4387 8 x 8 Connect Module (P/N G091068) with the PCoIP/USB Pass-through Module (P/N G0900388).
- Remove the R-Series chassis R4345 Remote Management Module (P/N G091070) and replace it with an RMM fill-in panel (G0900387).

#### When populating the R4300 Chassis with R3092D Blades and previous-generation blades:

- Replace the R-Series chassis R4387 8 x 8 Connect Module (P/N G091068) with the PCoIP/USB Pass-through Module (P/N G0900388)
- Remove the R-Series chassis R4345 Remote Management Module (P/N G091070) and replace it with an RMM Fill-in Panel (G0900387)
- For all blades Model R3092D and lower, upgrade the blade interposer card with a new interposer card (G0100186).

### R3092D Blade PC Specifications

Form Factor	8 blades fit in single 3U chassis (standard 19" rack width)
Chipset	LGA1151 Intel C236 chipset
Processor	Intel® Xeon® processor E3-1200 v6 or Intel 7th Generation (Kaby Lake) Core™ i7/i5
Memory Capacity/Type	Four DIMM sockets: DDR4, 1.2 V, unbuffered, non-ECC UDIMM at 2133 MHz
DIMM Sizes	8 GB/16 GB; with support up to 64 GB
Connections	Dual Gigabit Ethernet ports (Primary and Secondary) Three Gigabit Ethernet ports when in chassis (Dedicated PCoIP x 1, Standard Ethernet x 2) Thunderbolt 3 port on blade front panel USB 3.0 port on blade front panel (USB 2.0 port on R4300 chassis also accessible) Multi-function RGB LED indicator on blade front panel
GPU/Host Card Options	Dual monitor with V5420 PCoIP host card or Three monitors with V5430 host card (V5430 configuration prevents use of front-panel Thunderbolt connector)
Storage	Two drive slots. 1TB SSD, 500 GB HDD, or 480 GB SSD. Support RAID 0, 1 M.2 SSD
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)

### Ordering Information

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

Model Name	Part Number
R3092D	DG3092D