

## Produktinformation



### Dell EMC PowerEdge R640 - rack-mountable - Xeon Silver 4210 2.2 GHz - 16 GB - SSD 480 GB

#### Information



<i>Tillverkare</i>	Dell
<i>Artnr</i>	7R2GD

The PowerEdge R640 is the ideal dual-socket! 1U platform for dense scale-out data center computing. The R640 combines density, performance and scalability to optimize application performance and data center density.

## Specifikation

### General

<b>Type</b>	Server
<b>Bundled Services</b>	3 Years Basic Onsite
<b>Product Form Factor</b>	Rack-mountable - 1U
<b>Server Scalability</b>	2-way
<b>Hot-Swap Bays Qty</b>	8
<b>Colour</b>	Black

### Processor / Chipset

<b>CPU</b>	Intel Xeon Silver 4210 / 2.2 GHz
<b>Max Turbo Speed</b>	3.2 GHz
<b>Number of Cores</b>	10-core
<b>CPU Qty</b>	1
<b>Max CPU Qty</b>	2
<b>CPU Upgradability</b>	Upgradable
<b>Processor Main Features</b>	Intel Turbo Boost Technology 2

### Cache Memory

<b>Installed Size</b>	13.75 MB
<b>Cache Per Processor</b>	13.75 MB

### RAM

<b>Installed Size</b>	16 GB / 1.5 TB (max)
<b>Technology</b>	DDR4 SDRAM
<b>Effective Memory Speed</b>	2400 MHz
<b>Rated Memory Speed</b>	2933 MHz
<b>Form Factor</b>	DIMM 288-pin
<b>Slots</b>	24 (Total) / 23 (empty)
<b>Features</b>	Registered, dual rank
<b>Configuration Features</b>	1 x 16 GB
<b>RAM Supported</b>	12 TB Load-Reduced 1.5 TB registered 192 GB Non-Volatile 6 TB Optane DC Persistent

#### Hard Drive

<b>Type</b>	SSD - hot-swap - 2.5"
<b>Capacity</b>	1 x 480 GB
<b>Interface Type</b>	SATA

#### Storage Controller

<b>Type</b>	1 x RAID
<b>Storage Controller Name</b>	Dell PERC H730P
<b>Buffer Size</b>	2 GB

#### Optical Storage

<b>Type</b>	No optical drive
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#### Monitor

<b>Monitor Type</b>	None.
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#### Graphics Controller

<b>Graphics Processor</b>	Matrox G200eW3
<b>Video Memory</b>	16 MB
<b>Video Interfaces</b>	VGA

#### Networking

<b>Ethernet Ports</b>	2 x Gigabit Ethernet, 2 x 10 Gigabit Ethernet SFP+
<b>Ethernet Controller</b>	Broadcom BCM5720, Broadcom BCM57412
<b>Data Link Protocol</b>	Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet
<b>Remote Management Controller</b>	Integrated Dell Remote Access Controller 9 Enterprise (iDRAC9)

#### Expansion / Connectivity

<b>Bays</b>	8 (total) / 7 (free) x hot-swap 2.5"
<b>Slots</b>	2 PCIe 3.0 x16 - low-profile
<b>Interfaces</b>	2 x LAN (Gigabit Ethernet) - RJ-45 2 x USB 3.0 (2 rear) 1 x USB 2.0 (1 in front) 1 x USB 2.0 - micro-USB (1 in front) 1 x management (NIC) 1

x serial 2 x VGA (1 front, 1 rear) 2 x LAN (10Gigabit Ethernet) (SFP+) - RJ-45

#### Miscellaneous

<b>Included Accessories</b>	Rack sliding rails, bezel, riser card
<b>Pricing Type</b>	Build To Plan (BTP)

#### Power

<b>Device Type</b>	Power supply - hot-plug
<b>Power Redundancy</b>	Optional
<b>Power Redundancy Scheme</b>	1+1 (with optional power supply)
<b>Installed Qty</b>	1
<b>Max Supported Qty</b>	2
<b>Nominal Voltage</b>	AC 120/230 V (50/60 Hz)
<b>Power Provided</b>	750 Watt

#### Operating System / Software

<b>OS Provided</b>	No operating system
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#### Dimensions & Weight

<b>Width</b>	48.2 cm
<b>Depth</b>	75.775 cm
<b>Height</b>	4.28 cm
<b>Weight</b>	21.9 kg

#### Environmental Parameters

<b>Min Operating Temperature</b>	10 °C
<b>Max Operating Temperature</b>	35 °C
<b>Humidity Range Operating</b>	10 - 80%