

## DELL PowerEdge VRTX (VRTX-8998)

1Gbe Switch, 25 x 2.5", 3 x 2.5" 300GB HP SAS 10K rpm, PERC H710P 1GB, DVD-RW, 4 x 1600W (2+2)



### Price details:

Price excl. VAT: 5,092.29 €

Eco fees: 0.38 €

VAT 21 %: 1,069.46 €

### Product details:

Product code: VRTX-8998

EAN: 5397063768998

Manufacturer: DELL

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**6,162.13 €**

Product is discontinued. You can not order it anymore.

\* VAT included

### Redefine office IT.

PowerEdge VRTX integrates servers, storage, networking and management in a compact shared infrastructure optimized for office environments.

### New, enhanced capabilities for PowerEdge VRTX

As the first integrated IT solution designed specifically for remote-office and small-office environments, the award-winning PowerEdge VRTX integrates servers, storage, networking and management together in a single, compact chassis with office-optimized dimensions, acoustics and security.

Key new features introduce even more functionality with enhanced versatility and improved efficiency, including:

- Additional server node choices: Drive Tier 1, back-end workloads with 4-socket, full height M820 server node featuring huge memory capacity, wide network bandwidth and low-latency Express Flash storage.
- Next-level data protection inside the chassis: Optional redundant PowerEdge RAID Controller (PERC) provides high-availability RAID controller failover inside the chassis.
- Enhanced system management: Continued feature set parity between the Chassis Management Controller (CMC) in the data center and the CMC on VRTX ensures system management consistency and simplicity.
- Expanded resources for VDI: Support for optional general-purpose computing on graphics processor units (GPGPU) enables virtual desktop infrastructure in remote office/branch office environments.

Rapidly deploy VRTX to consolidate and manage business applications in up to four server nodes with shared storage and integrated networking. Ideal for remote offices and branch offices of large enterprises and organizations as well as small- and medium-business offices, it offers:

- Huge internal capacities that support extensive growth;
- Office-level acoustics, quieter than a hallway conversation so it can operate non-disruptively, even in quiet office environments;
- Fresh Air validated configurations that allow you to avoid the need for special cooling or worry when you turn off the AC during non-business hours;
- Standard power requirements found in most offices(110V-220V), which allows users to avoid the cost of rewiring for high-line power (typically required for servers and storage);
- Front-access KVM, USB, LCD display and optional DVD-RW.

### Lower total cost of ownership (TCO)

PowerEdge VRTX delivers 26 percent lower TCO over five years compared to using a local configuration of tower servers and external storage, saving you over \$21,300 with a payback period of just 33 months. In addition, if you are instead storing data and running applications in the cloud, VRTX can bring you a 63.9 percent lower TCO over five years, with a payback period of just 13 months and total savings of \$172,000.

### No compromise on performance

Employing the latest PowerEdge technology and high-availability features, VRTX can help you gain fast application response times, run multiple applications that need performance or low latency, power through peak processing periods and scale for future business growth.

### Performance and availability features include:

- Up to four hot-plug PowerEdge server nodes with flexible configurations that can mix and match 4-socket M820 and 2-

socket M630, M620 and M520 blade options to meet your specific needs;

- Support for future-generation PowerEdge M-Series blades;
- Dual SD cards for redundant hypervisors;
- Hot-plug and swappable HDDs;
- Many RAID options tailored to specific needs, including optional PERC for RAID controller failover inside the chassis;
- Optional hot-plug and swappable power supply units and fans.

#### Versatile shared storage

All server nodes have access to the low-latency internal shared storage, which is essential for clustering and virtualization, including vMotion. This also helps enable efficient processing through peak periods and can improve server-use flexibility.

#### VRTX allows:

- Each server node to see the storage as its own singular storage pool;
- Assigning virtual disks to single server nodes or across server nodes;
- Live migration of virtual machines within the VRTX chassis without the expense of cabling, powering and managing a SAN;
- Choice of up to 12 x 3.5" HDDs (48TB max.) to scale for capacity or up to 25 x 2.5" HDDs (30TB max.) to scale for performance.

#### Integrated networking and flexible I/O

The integrated network switch eliminates the need to acquire, cable, power and manage an external networking switch. Users requiring higher networking performance can choose from multiple networking options for PowerEdge VRTX, including:

- 1GbE internal switch module;
- Optional Pass-Thru Module;
- Optional dual port or quad port 10GbE NIC on server nodes.

For efficient, cost effective I/O, VRTX features eight industry-standard PCIe Gen 2 slots which can be shared across the server nodes:

- Three full-height/full-length slots that support graphics processing units (GPUs);
- Five small form factor (SFF) low-profile/half-length slots.

#### Simple, efficient and versatile systems management

Full-functioned unified system management takes much of the time and effort out of systems administration and control. Deploy, monitor, update and maintain through a unified browser-based console that covers servers, storage and networking. Dell OpenManage Essentials together with Chassis Management Controller (CMC) and Geographic View for VRTX enables you to keep an eye on everything in your VRTX platforms, anywhere on your network, allowing:

- Consistency with CMC in the data center;
- Deploying new systems locally or across a network;
- Support for more than 1,000 devices with the ability to launch an application that takes you into the CMC;
- Rapid, at-a-glance, map-based identification of remote system location and health status via color-coded icons;
- Installing updates to firmware, BIOS settings and drivers;
- Performing systems maintenance tasks and problem remediation;
- Updating up to 36 servers in nine VRTX platforms simultaneously with only a single system reboot.

#### Seamless management integration

VRTX systems management is integrated with major third-party management tools, protecting your installed investments and allowing you to use what you already know. This allows you to:

- Avoid the time and cost of training on new management solutions;
- Deepen and extend management capabilities beyond the chassis to, for example, hypervisor management;
- Install VRTX into infrastructures already managed by Dell OpenManage or third-party management solutions, such as Microsoft® System Center and VMware vCenter.

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#### Main specifications:

##### Design

|                         |                           |
|-------------------------|---------------------------|
| Chassis type:           | Tower                     |
| Device class:           | Large Enterprise Business |
| Colour of product:      | Black                     |
| Built-in display:       | Y                         |
| Display type:           | LCD                       |
| Number of fans:         | 6 fan(s)                  |
| Redundant fans support: | Y                         |
| Rack rails:             | Y                         |
| Energy Star certified:  | Y                         |

|   |  |
|---|--|
| Compatible products:                          | PowerEdge M620PowerEdge M520   |
| <b>Storage</b>                                |  |
| Storage drives installed:                     | Y  |
| Installed storage drive type:                 | HDD  |
| Number of storage drives installed:           | 3  |
| Storage drive interface:                      | Serial Attached SCSI (SAS)   |
| Storage drive capacity:                       | 300 GB   |
| Total installed storage capacity:             | 900 GB   |
| Supported storage drive types:                | HDD,SSD  |
| Number of storage drives supported:           | 25   |
| Maximum supported storage capacity:           | 96 TB  |
| RAID support:                                 | Y  |
| Hard drive speed:                             | 10000 RPM  |
| Storage drive size:                           | 2.5 "  |
| Hot-Plug support:                             | Y  |
| RAID levels:                                  | 0,1,5,6,10,50,60   |
| Data transfer rate:                           | 6 Gbit/s   |
| <b>Optical drive</b>                          |  |
| Optical drive type:                           | DVD+RW   |
| Optical drive interface:                      | SATA   |
| <b>Networking</b>                             |  |
| Ethernet interface type:                      | Gigabit Ethernet   |
| Networking standards:                         | IEEE 802.3,IEEE 802.3ab,IEEE 802.3u  |
| Cabling technology:                           | 10/100/1000Base-T(X)   |
| <b>Ports &amp; interfaces</b>                 |  |
| Ethernet LAN (RJ-45) ports:                   | 8  |
| USB 2.0 ports quantity:                       | 2  |
| VGA (D-Sub) ports quantity:                   | 1  |
| Serial ports quantity:                        | 1  |
| <b>Expansion slots</b>                        |  |
| PCI Express slots quantity:                   | 8  |
| <b>Security</b>                               |  |
| Trusted Platform Module (TPM):                | Y  |
| Secure boot:                                  | Y  |
| <b>System requirements</b>                    |  |
| Linux operating systems supported:            | RedHat EL Linux  |
| Server operating systems supported:           | SUSE Linux Enterprise Server,Windows Server 2008,Windows Server 2008 R2,Windows Server 2008 R2 x64,Windows Server 2008 x64,Windows Server 2012,Windows Server 2012 R2,Windows Server 2012 R2 x64,Windows Server 2012 x64,Windows Server 2016,Windows Server 2016 x64 |
| Other operating systems supported:            | VMware vSphere ESXi  |
| <b>Power</b>                                  |  |
| Number of power supply units:                 | 4  |
| Number of main power supplies:                | 2  |
| Power supply unit (PSU) capacity:             | 1600 W   |
| Redundant power supply (RPS) support:         | Y  |
| AC input voltage:                             | 100-240 V  |
| Number of redundant power supplies installed: | 2  |
| Power auto-sensing:                           | Y  |
| 80 PLUS certification:                        | 80 PLUS Platinum   |
| <b>Weight &amp; dimensions</b>                |  |
| Width:  | 310 mm   |
| Depth:  | 730 mm   |
| Height:                                       | 484 mm   |
| Weight:                                       | 31700 g  |

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