

# R5211 2U 2CPU server



This TradeDX white label server is a two-socket 2U rack-mount highly versatile server based on the latest Intel® Xeon® Scalable Processors.

Server is especially designed for cloud, big data, software defined storage, HPC and visualization domains.

## KEY BENEFITS

### Extreme performance

- Two Intel® Xeon® Scalable CPU up to 205W TDP
- Variety of 10/25/40/50/100Gb OCP NIC
- Choice of 40/56Gb FDR and 100Gb EDR OCP Infiniband adapters
- All flash 24/12 x U.2 NVMe or SATA/SAS 24/12 storage
- Support up to 2x dual-slot GPU

### Efficiency

- Full-featured remote management at no additional cost via Virtual KVM, Virtual Media, IPMI 2.0
- Intel® Rack Scale Design v2.1
- Can be installed into any standard rack including 800mm telecom rack

### Expandability

- 2x internal M.2 SSD for system boot
- 2x rear SSD for caching
- Up to 24x DDR4 DIMMs
- Up to 26x 2,5" SSD/HDD
- No vendor lock-in components



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Feature	Technical specification
<b>Form factor</b>	2U rack mount with rails, can be installed into 800mm telecom rack
<b>Processor</b>	2x Intel® Xeon® Scalable EP with TDP up to 205W
<b>Chipset</b>	Intel C622
<b>Memory</b>	Up to 3TB (24 DIMM slots): 8GB/16GB/32GB/64GB/128GB DDR4, up to 2666/2400MT/s
<b>I/O slots</b>	4x full height PCIe x16 or PCIe U.2 SSD riser 1x half height PCIe x16 1x OCP slot
<b>GPU support</b>	Up to 2x dual-slot GPU
<b>Internal storage</b>	Internal 2x M.2 SSD, PCIe U.2 SSD riser <b>Backplane options:</b> 1) 12x 3,5" SSD/HDD plus 2x 2,5" SSD/HDD 2) 12x 3,5" U.2 SSD plus 2x 2,5" SSD/HDD 3) 24 x 2,5" SSD/HDD plus 2x 2,5" SSD/HDD 4) 24 x 2,5" U.2 SSD plus 2x 2,5" SSD/HDD
<b>RAID/HBA</b>	Embedded Intel SATA controller Broadcom MegaRAID 94xx/93xx RAID Broadcom 94xx/93xx HBA (internal/external ports)
<b>Embedded NIC</b>	2x 1Gb RJ-45, 2x 10Gb SFP+ (Embedded Intel X722)
<b>OCP NIC</b>	Intel 10/25/40Gb OCP NIC Mellanox 10/25/40/50/100Gb OCP NIC Broadcom 10/25/40/50/100Gb OPC NIC Mellanox Infiniband 40/56Gb FDR, 100Gb EDR
<b>FAN</b>	6x 60mm*60mm*38mm redundant fans
<b>Power supply</b>	2x Redundant 800W/1600W high efficiency PSU, 100-240VAC 50/60Hz
<b>Rear ports</b>	2x USB 3.0, 2x 1Gb RJ-45, 2x 10Gb SFP+, 1x 1Gb management, 1x VGA, Health LED, Power button/LED, UID button/LED
<b>Availability</b>	Hot-plug redundant PSU, hot-plug redundant fans, hot-plug disks, ECC memory, dual M.2 card, SNMP/Email system management alerts
<b>Remote management</b>	AST 2500 BMC chip, IPMI 2.0, Virtual Media/Virtual KVM (HTML5) Intel® Rack Scale Design v2.1
<b>Operating systems</b>	Microsoft Windows Server® 2008/2012 R2/2016 (includes Hyper-V) Novell® SUSE® Linux Enterprise Server, Red Hat® Enterprise Linux CentOS, Canonical Ubuntu Server, VMware vSphere® ESXi™