PRYSM®
EP-R200
SERVER
DATA SHEET

COMPUTING PERFORMANCE WITH HIGH MODULARITY

Cost Optimized Solution - Confronting Business Needs

Through innovative hardware design, software commonality and continued focus on system updates, **PRYSM®** Servers offer improved performance and pay-as-you-grow flexibility along with new features that help reduce the complexity involved in managing data for small, mid-sized and large enterprise business. These servers are designed to a **PRYSM®** -developed Behavioral Specification that defines consistent hardware layout and user interaction across all server models in present and future generations with cost optimized solution. These powerful systems are designed to meet the requirements of value segment in Small and Medium Enterprise, Business Intelligence IT, Data Analytics Storage and Cloud.

Compute Performance - With Maximum Scalability, Operational & Networking Efficiency

Designed with high level of integration and flexibility, **PRYSM® EP-R200** servers help you understand the specs to be chosen in accordance to what you use and what's only there. Expand your possibilities with 2U systems based on the Server Board **EP-R200**, the server product from PRYSM® family. This server family features power-efficient spread-core design, massive 24 DIMM DDR4 memory—up to 3.0 TB, plus 80 PCIe Gen 3 lanes for the I/O and compute capacity needed to easily handle the intense needs of data analytics or enterprise applications. Designed to support the performance and features of dual **Intel® Xeon®** processors E5-2600 v4, family up to 145W with 10-Gb Ethernet ports.

*In a rack-optimized 2U form factor, the **PRYSM® EP-R200** delivers an excellent balance of outstanding performance, availability and flexibility for growing network infrastructure and high computing workload applications*

EP-R200 is an excellent choice for applications such as storage for databases, Small and Medium Enterprise, Business Intelligence IT, Data Analytics Storage and Cloud with

Technical Specifications

FEATURES	DETAILS
Server Board	
CPU	Dual Intel Xeon E5-2600 V4 processor sockets, up to 145 W TDP
Chipset	Intel C612 Chipset
Memory Type	DDR4 RDIMMs or LRDIMMs at 2133MT/s maximum
Memory Capacity	Up to 1.5TB
Maximum DIMM Slot	24 DIMMs, 3 DIMMs per channel, 4 Channels per processor
Memory Speed	DDR4 RDIMM: 1600 MT/s (3DPC), 1866 MT/s (2DPC),2133(1DPC) DDR4 LRDIMM: 1600 MT/s (3DPC),2133(2DPC & 1DPC)
Memory Voltage	1.2V, DDR4 Standard I/O Voltage
ON-Board LAN Options	2X 10Gbe
External I/O Connectors	
USB	Three USB 2.0/3.0 on back panel; Two USB 2.0/3..0 on front panel; One USB 2.0/3.0 on rack handle
Serial	RJ45 Serial Port A
Ethernet	Dual RJ45, network Interface connectors supporting 10GBase T; Single RJ45 - dedicated 1GbE Server management Port
Video	DB-15 VGA connector
Server Specification	
Rack Dimension	17.25" width x 28" Length x 3.44" height
PSUs per chassis	Up to 2, supporting 1+0, 1+1 Redundant Power and 2+0 Combined Power
System Fans	6 managed hot swap System Fans
Power Supply	1100W AC 80 PLUS Platinum
Expansion Type	
I/O Modules	Two Proprietary slots (x8 PCIe) supporting 1x Intel I/O Expansion Module and 1x Intel Integrated RAID Module
Riser cards	Up to 3 Riser cards for PCIe add in cards

Expansion (1U)	**RISER-OPTIONS - PCIe 3.0**		
Riser Slot 1	PCIe 3.0 x24 – up to 3 PCIe* slots in 2U		
Riser Slot 2	PCIe 3.0 x24 – up to 3 PCIe* slots in 2U		
Riser Slot 3	PCIe 3.0 x8 + DMI x4 (PCIe* 2.0 compatible) – up to 2 PCIe* slots in 2U		
I/O Module	CPU 1	Single	x 8 Electrical, proprietary connection
RAID Module	CPU 1	Single	x 8 Electrical, proprietary connection

Storage Options	**SIZE**	**# of Drives**	**Type**
Front Drive Bays:	3.5"	Twelve	Up to 8 x 6 Gbps SATA drives or upto 12x12 Gbps SAS Drives with SAS Controllers
Rear SSD, Hot Swap	2.5"	Two	ptional 2.5" Rear mount 6Gbps SATA hot swap bay
Internal eUSB	eUSB	One	One 2mm eUSB module via 2x5 pin connector
SATA DOM	SATA DOM	Two	Support for two internal SATA Disk on Modules mounted directly on board SATA Ports

SYSTEM Specification	
Server Management	Integrated Baseboard management controller, IPMI 2.0 Complaint Dedicated RJ45 Management Port Remote KVM Management and device mapping available via RMM4 Lite
BMC Management	IPMI 2.0 Complaint
BIOS Type	UEFI BIOS
Warranty	3- year limited

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Quick Specs: www.prysmelectronics.com/servers