ARS2100-X62S

Server Product Specifications



Tailored Precision. Uncompromised Power.

Built on a powerful Intel® Xeon® 6 Dual-socket architecture, this server delivers an optimal balance of energy efficiency and reliable enterprise-grade processing capability. It offers exceptional flexibility through versatile features, including multiple disk type support for customized storage tiers, robust performance engineered to handle demanding workloads, and precise configuration options tailored precisely to your application requirements. Furthermore, administration is streamlined with intuitive web-based management, allowing you to monitor and control your infrastructure effortlessly from anywhere.

At the core of the ARS2100 is support for the latest Intel® Xeon® 6 processors (up to 225W TDP) paired with 16 DDR5 DIMM slots, delivering high-density compute capacity and exceptional memory bandwidth for business-critical applications. Built with future-proof scalability in mind, the server offers extensive expansion possibilities, featuring up to 6 PCIe 5.0 / CXL 2.0 slots, dual M-key PCIe 5.0 slots, and MCIO interfaces. Integration of CXL 2.0 allows enterprise buyers to seamlessly expand memory capacity, reduce latency, and integrate specialized GPU or AI accelerators without creating system bottlenecks.

The ARS2100 provides high storage flexibility through a hybrid drive bay architecture that supports up to 12 hot-swappable 2.5”/3.5” drives, combining high-speed NVMe flash storage with high-capacity SAS/SATA drives within a single chassis. Designed to optimize data center efficiency, its compact 2U form factor allows up to 20 servers per standard 42U rack, maximizing compute density while reducing total cost of ownership through redundant (1+1) 1200W 80+ Platinum CRPS power supplies and hot-swappable cooling.

ARS2100-X62S
Server Product Specifications

Specifications	
Form Factor	• 2U 19” rack mount • Dimensions (WxDxH) – 438mmx 660mmx 87mm

Processor Subsystem	• Intel Processors
	  ○ 2 x Intel® Xeon® 6 processors, upto 225W TDP
	  ○ 16 DIMM slots
	  ○ Supports DDR5 RDIMM, for up to 96GB per RDIMM
	[Note] If only 1 CPU is installed, some PCIe or memory functions might be unavailable.

Drive Bays Options	• 8 x 2.5”/3.5” SAS/SATA/NVMe hot-swappable front bays + 4 x 2.5”/3.5” SAS/SATA hot-swappable front bays *Additional RAID/HBA card required to support SAS/SATA/NVMe drives. No. of drive support will depend upon the SKU Number.
Security	• Trusted Platform Module 2.0 • Secure Boot
Front Control	• Power button • System reset button
Front I/O Ports	• 1 x USB 3.2
Visual Indicators	• Power • UID • LAN activity • Disk Activity
Rear Panel	• 2 x RJ45 (10GbE) • 1 x IPMI interface (10/100/1000 Base-T) • 1 x VGA • 2 x USB 3.2
PCIe Expansion Slots	• Slot_6: PCIe x8 (Gen5 x8), from CPU_0 Slot_5: PCIe x16 (Gen5 x16), from CPU_1 Slot_4: PCIe x16 (Gen5 x16), from CPU_0 Slot_3: PCIe x16 (Gen5 x16), from CPU_1 Slot_2: PCIe x16 (Gen5 x16), from CPU_0 Slot_1: PCIe x16 (Gen5 x16), from CPU_1
Other PCIe Slots	• 2 M-key (PCIe5.0 x2) • 1 MCIO (PCIe5.0 / CXL2.0 x8)
Power	• 2 (1+1) CRPS (80+ Platinum) upto 1200W • Power Cord- 250V, 10A Plug (India)
Cooling	• 3 x 80 mm internal fans
Temperature	• Operating: 10°C to 35°C • Non-operating: -40°C to 70°C
Humidity	• Non-operating humidity: 20% ~ 90% (non-condensing)
Weight	• 18Kg
Supported Operating Systems	• Microsoft Windows – Server 2022, Server 2025 • Linux – Red Hat Enterprise Linux Server 9.x/10.x (64 bit) , SUSE Enterprise Linux Server 15 SP6 (64 bit), Ubuntu 24.04 (64 bit)

Server Management	• Web-based BMC GUI interface to manage and monitor the sever resources. • HTML based management framework allows to manage servers in physical, local and remote environments while operating in-band • BMC network ports to manage the server out-of-band without a systems management software agent. • Dedicated remote management port with IPv4 and IPv6 support. • System health and systems components (CPU, RAM, HDD, FANS, Power Supplies) health monitoring support. • PXE based automated configuration and Operating System deployment • Redfish API support for 3rd party management tool integration

Acceleron Labs Pvt. Ltd.
www.acceleronlabs.com

Copyright 2026 Acceleron Labs Pvt. Ltd. The information contained herein is subject to change without notice. Acceleron Labs shall not be liable for technical or editorial errors or omissions contained herein. Third-party trademarks mentioned are the property of their respective owners.