ADLINK
LEADING EDGE COMPUTING

AXE-7120SR

Datasheet

1U Edge Server with 4th Gen Intel® Xeon® Scalable Processors

Features

- Single 4th or 5th Gen Intel® Xeon® Scalable Processor, up to 225W TDP
- Space-Saving, Short-depth (420mm) for 19" Rackmount infrastructure deployment
- Up to 2x FHFL single-slot PCIe x16 Gen4 slot
- Supports dual redundant AC/DC power inputs for improved system availability
- Storage options with Dual M.2 SATA/NVMe SSD support



Specifications

System	Form Factor	1U 19" Rackmount
	Dimension (WxDxH)	438 x 420 x 43.8mm (17.24 x 16.54 x 1.72 inch)
	Gross Weight	13.4 kg (29.54 lbs)
	Net Weight	10 kg (22.05 lbs)
Processor	Socket Type	Intel® LGA 4677
	Support CPU Series	Single 4th or 5th Gen Intel® Xeon® Scalable Processor, up to 225W TDP
	TDP	Max up to 160W
Chipset	PCH	Intel® C740
Memory	Slot Count	6x DIMM slots
	Capacity	Up to 384GB, DDR5 4800MT/s RDIMM * Follow latest Intel® DDR5 Memory POR
	DIMM Type/Speed	RDIMM DDR5 4800 MT/s (1DPC)
Storage	M.2 (2242/2280)	1x M.2 SATA/NVMe SSD (PCIe Gen3) 1x M.2 SATA SSD
PCIe Expansion Slot	Configuration	2x FHFL single-slot PCIe x16 Gen4 slot
Cooling	System Fan	5x fan hot-swappable modules
Power Supply	PSU Type	2x CRPS PSU
	Output Watts	550W
	Voltage	AC 100V to 240V AC @50-60Hz DC 36V to 72V DC, 20A max.
	Redundancy	1+1

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Specifications

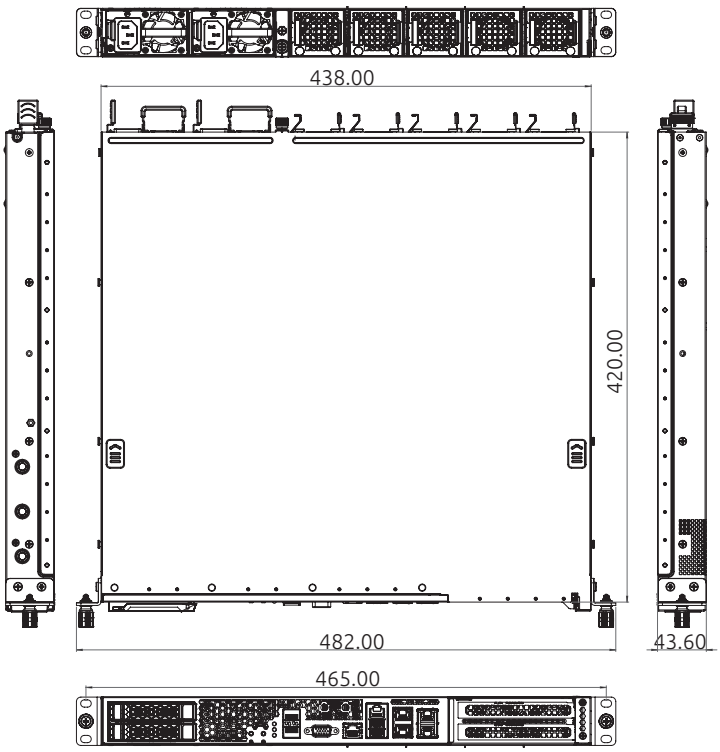
Front I/O	LEDs	Health, Alert, HDD, Power, UID
	USB	2x USB 3.0
	Graphic	1x VGA
	Ethernet	2x GbE Ethernet port 2x 25G SFP28 Ethernet ports
	RJ-45	1x Remote Console 1x 1PPS/TOD port
	Others	1x Power button 1x UID button
Clock	Clock Sync	OCPv2.0 add on clock card Support IEEE 1588 v2 over 2x25GB OCXO Holdover: ±1.5μs/24h @μT=±10°C; Temperature Stability: ±0.2ppb One SMA header for GPS antenna input 2x RS-422 clock synchronous port 1x RGPS port to sync PPS and TOD from external RPGS module
Security	TPM (Optional)	Plug-in TPM 2.0 module SPI
BMC Controller	Chipset	ASPEED AST2600 with IPMI 2.0 and Redfish support.
BIOS	Chipset	AMI BIOS on SPI flash memory
Environment	Temperature	Operating: -40°C to +65°C (-40°F to 149°F), 50% @25°C to 95%@40°C (non-condensing) Non-operating: -40 to 70°C (-40 to 158°F), 95% @60°C (non-condensing)
Operation system	OS	Microsoft Windows Server 2019 Ubuntu 22.04 LTS

Ordering Information

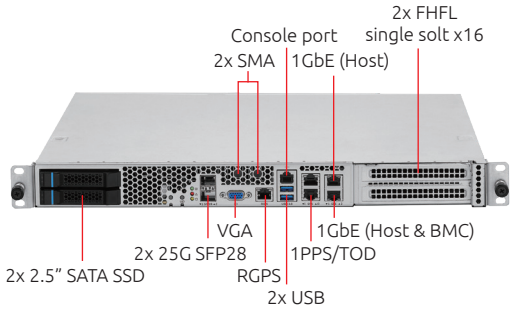
Part Number	Description
93-22808-000E	7120SR Barebone

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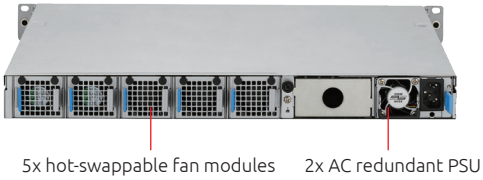
Dimension



Front View



Rear View



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