AXE-5100R7/R9

Datasheet

1U Short-depth AI GPU Server with AMD Ryzen™ 7000/9000 Family Processor

Features

- 1U chassis with single AMD Ryzen 7000/9000 Family Processor
- Optional PCIe slot up to 1x PCIe Gen5 x8
- Support 1x FH, 3/4LSW GPU
- Short-depth Chassis (440mm) maximizes rack space efficiency for compact deployments
- 5x smart fan speed control fans modules





Specifications

System	Form Factor	1U 19” Rackmount
	Dimension (WxDxH)	438 x 420 x 43.6mm (17.24 x 16.54 x 1.72 inch)
	Gross Weight	7.2kg (15.84 lbs)
	Net Weight	8.3kg (18.26 lbs)
Processor	Socket Type	AMD AM5 (LGA 1718)
	Support CPU Series	AMD Ryzen™ 7000/9000 Family Processor
	TDP	Support up to 120W
Chipset	PCH	AMD PROM21 B650/ AMD 600 series
GPU	Type	1x FH, 3/4LSW GPU Gen5 x8
Memory	Slot Count	4x DIMM slots
	Capacity	Up to 128GB, DDR5 5600MT/s UDIMM*
	DIMM Type/Speed	UDIMM DDR5 5600MT/s (1DPC)/ 3600MT/s (2DPC), with ECC
Storage	SATA/NVMe	2x 2.5” SATA SSD
	M.2 (2242/2280)	1x M.2 (M-Key) NVMe SSD (PCIe Gen4 x4) 1x M.2 (B-key)SATA SSD (PCIe Gen3 x2)
PCIe Expansion Slot	Configuration	1x PCIe Gen5 x8(SW, FH, 3/4L)
Cooling	System Fan	5x fans modules

* Follow the latest AMD guidline

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Specifications

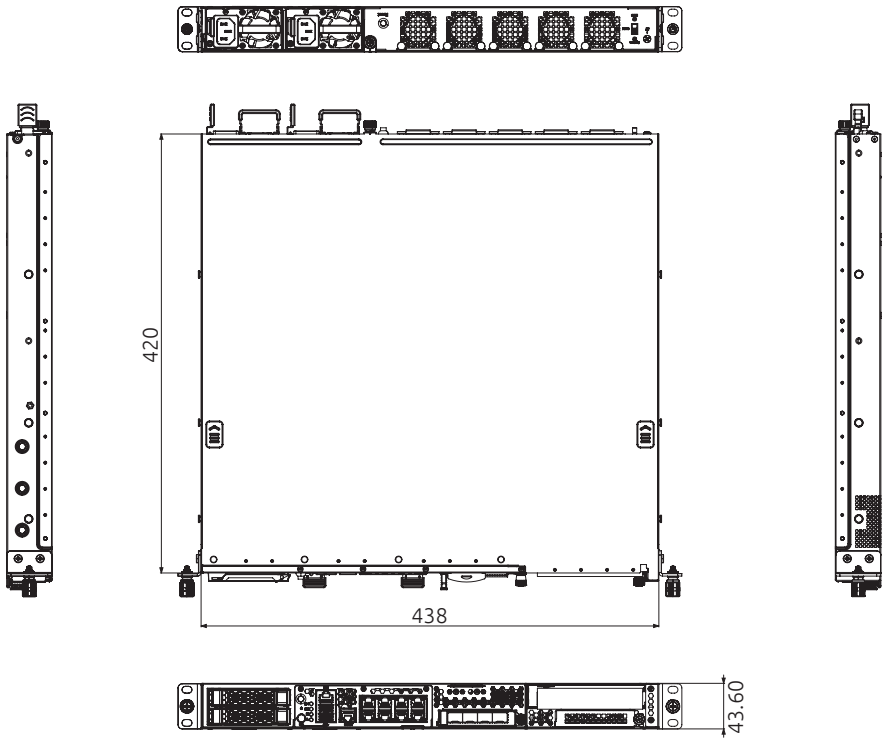
Power Supply	PSU Type	2x CRPS
	Efficiency	80 Plus Platinum
	Output Watts	300W-800W x2
	Voltage	100V to 240V AC @50-60Hz or DC-48V
	Redundancy	1+1
Front I/O	LEDs	HDD, Health, Alert, Power, UID
	Button	1x Power button 1x UID button
Rear I/O	LAN	8x GbE port 1x GbE port dedicated for IPMI
	RJ-45	1x remote console port 8x GbE port
	USB	2x USB 3.0 1x USB 3.0 (Internal)
	Graphic	1x HDMI
	Button	1x Power button 1x UID button
Security	TPM (Optional)	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: 0°C to +45°C (32°F to 113°F), 5%-95% RH @40°C (104°F), non-condensing Storage: -40°C to +70°C (-40°F to 158°F), 5%-90% RH, non-condensing
Operation system	OS	Ubuntu 22.04 LTS

Ordering Information

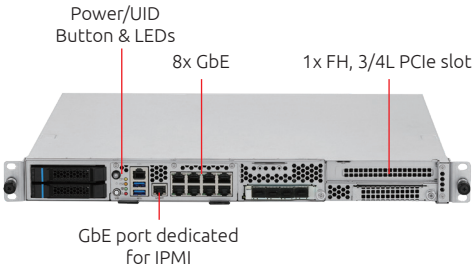
Part Number	Description
93-22809-A00E	AXE-5100R7
TBD	AXE-5100R9

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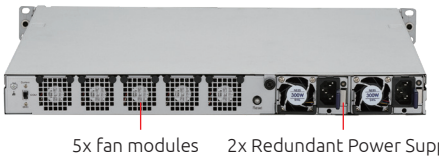
Dimension



Front View



Rear View



AMD RYZEN NVIDIA Certified

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