ADLINK
LEADING EDGE AI COMPUTING

AXE-7220GW

Datasheet

2U Short-depth AI GPU Server with Intel®Xeon® 600 Processors for Workstations

Features

- Single Intel® Xeon® 600 Processors for Workstations
- 2U Short-depth Chassis (450mm) maximizes rack space efficiency for compact deployments
- Up to 8x DDR5 6400 MT/s DIMM slots
- Support 2x FHFLDW Gen5 GPUs
- 4x fan modules and SSD drive bays

AXE



Specifications

System	Form Factor	2U 19" Rackmount
	Dimension (WxDxH)	438 x 450 x 87mm (17.24 x 17.72 x 3.43 inch)
	Gross Weight	TBC kg (TBC lbs)
	Net Weight	TBC kg (TBC lbs)
Processor	Support CPU Series	1x Intel® Xeon® 600 Processors for Workstations, with over clocking and VROC support*
	TDP	Support up to 350W
Chipset	PCH	W890
GPU	Type	2x FHFLDW GPU Gen5 x16
Memory	Slot Count	8x DIMM slots
	Capacity	Up to 1,024GB
	DIMM Type/Speed	Up to 6400MT/S (1DPC), 5200 MT/S (2DPC), with ECC
Storage	SATA/NVMe	4x 2.5" SATA SSD
	M.2 (2280/22110)	2x M.2 SATA/NVMe SSD (PCIe Gen5 x4)
PCIe Expansion Slot	Configuration	2x PCIe Gen5 x16 (DW, FHFL) 1x PCIe Gen4 x8 (SS, HHHL)
Cooling	System Fan	4x fan modules (6056 fan)
Power Supply	PSU Type	2x CRPS
	Efficiency	80 Plus Platinum
	Output Watts	1300W/1600W/2000W
	Voltage	100V to 240V AC @ 50-60Hz
	Redundancy	1+1

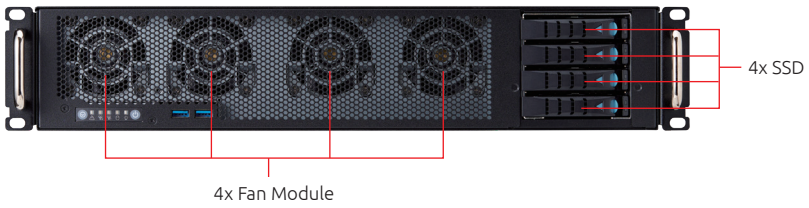
* Follow the latest Intel® Memory POR

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Specifications

Front I/O	LEDs	HDD, Power, UID, LAN activity
	Button	1x Power button 1x Reset button
Rear I/O	LAN	1x 1G (I210), 1x 2.5G (I226). Support Wake on Lan(WOL) and PXE boot IPMI Management LAN shared with I210
	USB	5x Type A USB 3.2 Gen2 10Gbps in rear IO 1x Type C USB 3.2 Gen2 10Gps in rear IO
	Graphic	1x D-Sub 15-pin VGA port in rear IO from AST2600 1x DP port in rear IO from AST2600
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 +35°C (23°F to 113°F), 5%-90% 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	Windows® 11 LTSC (64 bit) Ubuntu 24.04 (64 bit)

Front View



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CPU Selection Guide

Processor Number	Cores/ Threads	Intel® Smart Cache LLC	Base / Max Turbo Frequency	PCIe Lanes	Notes
Intel® Xeon® 698X	86 / 172	336	2.0 / 4.6	128	Extreme high-end for massive virtualization or complex, multi-model workloads
Intel® Xeon® 696X	64 / 128	336	2.4 / 4.6	128	High core density for data center-grade edge nodes
Intel® Xeon® 678X	48 / 96	192	2.4 / 4.7	128	High-performance AI inference & heavy multitasking
Intel® Xeon® 656	20 / 40	72	2.9 / 4.6	128	Enough cores for automation
Intel® Xeon® 654	18 / 36	72	3.1 / 4.6	128	
Intel® Xeon® 636	12 / 24	48	3.5 / 4.5	80	Suitable for budget Edge Servers needing minimal high-end GPUs
Intel® Xeon® 634	12 / 24	48	2.7 / 4.4	80	

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