ADLINK
LEADING EDGE AI COMPUTING

AXE-7440GW

Datasheet

4U AI GPU Server with Intel® Xeon® 600 Processors for Workstations

Features

- 4U chassis with a single Intel® Xeon® 600 Processors for Workstations, up to 350W TDP
- 8-slot expansion design, including 4x PCIe x16(1x via MCIO) & 2x PCIe x8 & 2x PCIe x4
- Up to 4x GPU cards with extension board
- 8x 2.5”/3.5” SATA HDD
- 3x Internal BMC controlled smart fan modules



Specifications

System	Form Factor	4U 19” Rackmount
	Dimension (WxDxH)	437.5 x 650 x 176.5mm (17.23 x 25.59 x 6.95 inch)
	Gross Weight	25.6kg (56.44 lbs)
	Net Weight	22kg (48.5 lbs)
Processor	Socket Type	Socket E2, LGA 4710 socket
	Support CPU Series	Single Intel® Xeon® 600 Processors for Workstations, up to 350W TDP
	TDP	Support up to 350W
Chipset	PCH	W890
GPU	Type	3x FHFL GPU Gen5 x16 or 4x FHFLDW GPU Gen5 x16 with extension board
Memory	Slot Count	8x DIMM slots
	Capacity	1TB, 128GBx 8 slot(note)
	DIMM Type/Speed	4 Channel DDR5, 8 slots DDR5 RDIMM ECC Memory speed: Up to 6400MT/S (1DPC), 5200 MT/S (2DPC)
Storage	SATA	8x SATA III slots, SATA RAID 0/1/5/10 supported by PCH
	M.2 (2242/2280)	2x M.2(M-Key) NVMe #1 support 2280/22110/25110 #2 support 2280/22110

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Specifications

PCIe Expansion Slot	Configuration	Expert stream (128L): 3x PCIe 5.0 x16 2x PCIe 5.0 x8 2x PCIe 5.0 x4 1x PCIe 5.0 x16 with extension board Mainstream (80L): 2x PCIe 5.0 x16 2x PCIe 5.0 x8 2x PCIe 5.0 x4 1x PCIe 5.0 x16 with extension board
Cooling	System Fan	3x hot-swappable fan modules (12038 fan)
Power Supply	PSU Type	2x CRPS
	Efficiency	80 Plus Platinum
	Output Watts	800W/1300W/1600W
	Voltage	100V to 240V AC @50-60Hz
	Redundancy	1+1
Front I/O	LEDs	HDD, NIC1, NIC2, UID
	USB	2x USB 2.0
	Others	1x UID button 1x Power button 1x Reset hole
Rear I/O	LAN	1x 1Gb RJ45 Ethernet port (shared with IPMI Management LAN) 1x 2.5Gb RJ45 Ethernet port
	COM	1x DB-9 COM connector with RS-232/422/485
	USB	5x Type A USB3.2 Gen2 10Gbps 1x Type C USB3.2 Gen2 10Gbps
	Graphic	1x D-Sub 15-pin VGA port 1x DP port
	Button	1x Clear CMOS reset hole 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 +40°C ， Storage: -40°C to +70°C Relative Humidity: 10%-85% in the long term and 5%-90% in the short term
Operation system	OS	Windows® 11 LTSC (64 bit) Ubuntu 24.04 (64 bit)

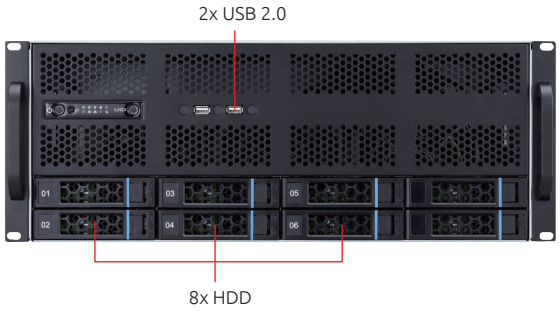
* Follow the latest Intel® Memory POR

Ordering Information

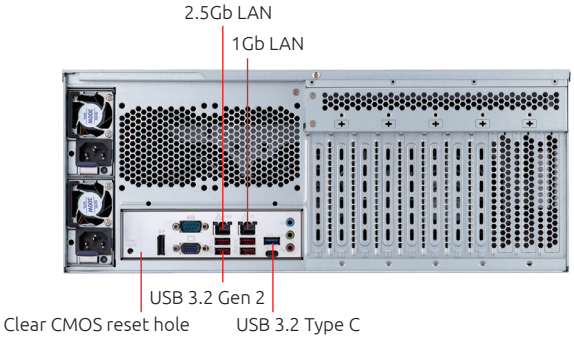
Part Number	Description
93-22811-100E	AXE-7440GW Barebone

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Front View



Rear View



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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