

AIR-520

Edge AI Server with 4 PCIe Slots



WISE-DeviceOn

Features

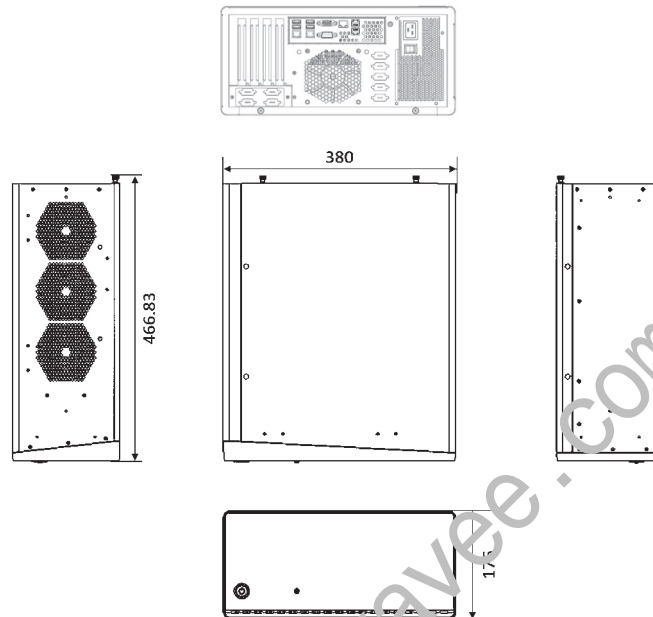
- 4U Edge AI Server supports AMD EPYC 7003 series processors
- Able to feature 4x single-slot or 2x dual-slot graphic cards
- Up to 6 Shock Resistant 2.5" drive bays
- To accommodate 1200W PSU for different applications
- NVIDIA Certified workstation with two RTX A5000 with NVLink

Specifications

Model Name		AIR-520-000A1
Dimensions (W x H x D)	Dimensions (W x H x D)	380 x 176 x 454.1 mm
System Thermal Design	CPU Cooler	CPU cooler for 225W TDP 1970004817N001
	System Fan	1 Fan Axial 91x91x25
Environmental Conditions	Operating Temperature	0 ~ 40°C (with 2x RTX A5000, tested by NVIDIA Certified Program) 0 ~ 35°C (Advantech test standard)
	Non-operating Temperature	-20 ~ 60°C
	Humidity	95% @ 41°C, non-condensing
	Vibration (5 ~ 500Hz)	3Grms
CPU		AMD EPYC 7003 series: 7713P/ P7543P/ P7313P
DRAM		6 x RDIMM 288pin DDR4 slot
Storage		6 x 2.5" SSD, 1 x M.2 with PCIe Gen4 x4
Front IO	Power switch	1 with LED
	Power remote Jack	1 2.5Φ Jack
Rear IO	Display ports	1 VGA from BMC
	USB	4 USB Gen2 x1
	LAN	LAN1/2: 2.5GbE Intel i226-LM; LAN3/4: 10GbE Intel X550; LAN5: BMC LAN
	Certification	EMC / Safety / Certifications
Power Requirements	Power Supply Unit	1200W built-in
Weight		15.5 Kg
Mounting bracket		4U Rack Mount
PCIe Expansions		4 PCIe x16 (Allow to equip 4x single slot or 2x dual-slot add-on cards)

Dimensions

Unit: mm



Ordering Information

Model	PSU	RDIMM 288-Pin Slot	2.5" SATA Bay	VGA	2.5 GbE	10 GbE	BMC GbE	USB3.2 Gen2	PCIe x16
AIR-520-000A1 Bare-bone	1200W	6	6	1	2	2	1	4	4

Remarks
Bare-bone, NO CPU, NO RAM, NO Storages

Packing List

Item	Part Number	Quantity
CPU Cooler	1970004817N001	1
2.5" Storage Metal Tray	1950025424N002	6
Screw M3*4 To Fix 2.5" Storage	1930005836-01	24
CABLE TIE (P.G. GT-160M)	1992822010	4

Embedded OS/API

OS	Part Number	Description
Windows	20706WS96S0005	Windows Server 2019
Ubuntu	20706U22DS0054	Ubuntu 22.04

Optional Accessory

Item	Part Number
Power Cable	1700021723-02 (USA type)
	1700023533-01 (EU type)
	1700023534-01 (UK type)
	1700023536-01 (JP type)
Graphic card anti-vibration bracket	AIR-520-BGFA1
Fan Kit for passive cooling graphic card*	AIR-520-KFAA1
Slim SAS M.2 Expansion Module	AIR-520-KM2A1

*Must to have AIR-520-BGFA1 before fan kit.