

Fanless Server - Intel Xeon Server - IP50

Fanless rugged server format for edge computing uses

The Fanless Server is ideal for use at the edge: with up to 12 cores and 128GB RAM powered by Intel Xeon D processor our server becomes a powerful tool in applications requiring higher computer power than what smaller rugged devices provide. The added benefits of server grade remote management and dual power supply features ensure minimum down time and maximum reliability.



Key Features

- Processor: Xeon D2143 - D2163
- Operating Range: -10C to 50C
- Dual 10GbE LAN, 1 Dedicated IPMI LAN port
- ECC Memory



Key benefits of **FANLESS** and **RUGGED** computers



No fans obviously means no noise, but it's not the only benefit!



No fans allow an important decrease in power consumption, making our products more sustainable!



A fanless computer eliminates the risk to draw in dust and dirt from the environment, the cause of potential failures and costly downtime.



The absence of moving parts enable our products to resist shocks and vibrations, for an increased reliability.



They are built to withstand harsh and constrained working conditions.



High Ingress Protection (IP) rating, indication the protection level of products against both solid and liquids in electrical enclosures.



The in-house designed and milled aluminium chassis is optimized for efficient passive cooling and durability. Its conception proved their reliability in extended operating temperatures.



The aluminium used for the chassis production is repurposed and recycled, and the production waste is recycled too!

FS-XDS2-50

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Rear view (some features shown maybe options)

Technical Specification

Processor	Intel Xeon D-2143 - 8 Cores / 16 Threads - 2.20 GHz / 3.00 GHz Turbo - 11MB Cache Intel Xeon D-2163 - 12 Cores / 24 Threads - 2.10 GHz / 3.00 GHz - 17MB Cache		
Memory	Slots: 2x DIMM Slots MAX Capacity: 64GB Type: DDR4-2666 1.2V DIMM ECC Support: Yes - Optional	Storage	Storage 1 Max: 4TB M2. NVME 2280 Storage 2 Max:
Graphics Controller	ASPEED AST2500	Graphics Interface	1x VGA - 1920 x 1200 @ 60Hz
Network Interface	2x 10GbE RJ45 (by Intel X557-AT2), 1 x RJ45 Dedicated IPMI LAN port	Network Options	N/A
Network Feature	Wake-On-LAN, Energy Efficient Ethernet 802.3az, PXE Dual LAN with Teaming Function	Remote Management	ASPEED AST2400 - IPMI 2.0 - RTL8211E - 1 x RJ45 for dedicated management ASPEED AST2500 : IPMI (Intelligent Platform Management Interface) 2.0 with iKVM and vMedia support
Hardware Monitoring	Watchdog On-Board	Supported OS	Windows Server 2016 - 64 bit Windows Server 2012 R2 - 64 bit SUSE Enterprise Linux Server 11 SP4 (64 bit) / 12 SP3 (64 bit) RedHat Enterprise Linux Server 6.6 - 32/64 bit / 7.0 - 64 bit CentOs 6.8 (64 bit) / 7.4 (64 bit)
Encryption	TPM Header 1 x (13-pin)		
Power Input	2 x 5.08mm pitch "Phoenix" connector		
Input Voltage	12V		
Consumption	15-65w		

Physical Specification

I/O Front	Power Switch, 1x USB 3.0	LED Front	Power, Power Supply Status, Storage Activity, Network Uplink
I/O Rear	Dual Power in, 2x RJ45 for LAN, 1x RJ45 for IPMI, 2x USB 3.0, 1x VGA, UID Switch	LED Rear	Network Uplink/Activity
I/O Optional	Additional 2x RJ45 for 10GbE LAN	COM Port Option	N/A
Operational Temp	-10c to 40c (14F to 104F)	Storage Temp	-40c to 70c (-40F to 158F)
Maximum relative humidity	5% to 95%	Cooling Type	Passive Cooling
Size	75 x 221 x 335 mm	Weight	4.8 KG
Accessories	Power supply and power cord	Optional Accessories	
Certifications	CE, UKCA, RoHS, FCC , WEEE	Warranty	3 Years

UK RoHS FC CE

