TRANQUIL IT
ALL TERRAIN

Fanless Server - AMD Epyc 3000 Server - IP50

Rugged server format for edge computing uses

The Rugged Server is equipped with an AMD Epyc 3000 processor and boasts a maximum memory capacity of 128GB. It is an ideal solution for applications that require higher computing power than what smaller rugged devices can provide. Additionally, the server is equipped with an RJ45 port for dedicated management, which ensures minimal downtime and maximum reliability.

Key Features

→ Processor: AMD Epyc 3000 3151 - 3251

→ Operating Range: -10C to 50C

→ Dual 10GbE LAN

→ ECC Memory

→ Maintenance free

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-EP3S-50

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Rear view *(some features shown maybe options)*

Technical Specification

Processor	AMD Epyc 3000 3151 - 4 Cores / 8 Threads - 2.7 GHz / 2.9 GHz Turbo AMD Epyc 3000 3251 - 8 Cores / 16 Threads - 2.5 GHz / 3.1 GHz Turbo		
Memory	**Slots:** 2 DIMM slots **MAX Capacity:** 128GB **Type:** DDR4-2666 1.2V ECC UDIMM, RDIMM, LRDIMM	**Storage**	Storage 1 Max: 4TB M2. NVME 2280 Storage 2 Max: 8TB 2x 2.5" hot-swappable SATA3 SSD bay drives in Raid 0,1
Graphics Controller	ASPEED AST2500	**Graphics Interface**	1x VGA - 1920 x 1200 @ 60Hz
Network Interface	Intel® X550-AT2 - 2 x RJ45 - 1000/10000 Mbps	**Network Options**	N/A
Network Feature	Wake-On-LAN, Energy Efficient Ethernet 802.3az PXE Dual LAN with Teaming Function	**Remote Management**	ASPEED AST2500 - IPMI 2.0 - RTL8211E - 1 x RJ45 for dedicated management ikvm and vMedia support
Hardware Monitoring	Watchdog On-Board NMI	**Supported OS**	Windows Server 2019 - 64bit RedHat Enterprise Linux Server 7.4 - 64 bit CentOS 7.4 - 4 bit Ubuntu 18.04.2 - 64 bit
Encryption	TPM Header 1 x (13-pin)		
Power Input	2 x 5.08mm pitch "Phoenix" connector		
Input Voltage	12V		
Consumption	15-80w		

Physical Specification

I/O Front	Power Switch, 1x USB 2.0	**LED Front**	Power, Power Supply Status, Storage Activity
I/O Rear	Dual Power in, 2x RJ45 for 10GBe LAN, 1x RJ45 for IPMI, 2x USB 3.2, 1x VGA, UID Switch/LED	**LED Rear**	Network Uplink/Activity
I/O Optional	N/A	**COM Port Option**	N/A
Operational Temp	-10c to 50c (14F to 122F)	**Storage Temp**	-40c to 70c (-40F to 158F)
Maximum relative humidity	5% to 95%	**Cooling Type**	Passive Cooling
Size	75 x 221 x 336 mm	**Weight**	9.35 KG
Accessories	Power supply and power cord	**Optional Accessories**	2nd Power supply
Certifications	CE, UKCA, RoHS, FCC , WEEE	**Warranty**	3 Years

UK CA RoHS FC CE