TRANQUIL IT
ALL TERRAIN

Rugged Server - Intel Xeon Server - IP50

Halfrack rugged server format for edge computing uses

The Rugged Server is ideal for a use at the edge: with up to 8 cores and 128GB RAM, our Rugged 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 D1521 - D1541

→ Operating Range: -10C to 40C

→ Up to 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!

RS-XDS-50

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Rear view *(some features shown maybe options)*

Technical Specification

Processor	Intel Xeon D-1521 - 4 Cores / 8 Threads - 2.40 GHz / 2.70 GHz Turbo - 6MB Cache Intel Xeon D-1541 - 8 Cores / 16 Threads - 2.10 GHz / 2.70 GHz - 12MB Cache		
Memory	**Slots:** 4x DIMM Slots **MAX Capacity:** 64GB **Type:** DDR4-2400 1.2V DIMM **ECC Support:** Yes - Optional	Storage	Storage 1 Max: 2TB M2. NVME 2280 Storage 2 Max: 4TB 2x 2.5" hot-swappable SATA3 SSD bay drives in Raid 0,1
Graphics Controller	ASPEED AST2400 - DDR3 16MB SDRAM	Graphics Interface	1x VGA - 1920 x 1200 @ 60Hz
Network Interface	i210 - 2 x RJ45 - 10/100/1000 Mbps	Network Options	X557-AT2 - 2 x RJ45 - 100/1000/10000 Mbps
Network Feature	Wake-On-LAN PXE Dual LAN with Teaming Function	Remote Management	ASPEED AST2400 - IPMI 2.0 - RTL8211E - 1 x RJ45 for dedicated management KVM over LAN Function
Hardware Monitoring	Watchdog On-Board	Supported OS	Windows Server 2008 R2 SP1 - 64 bit Windows Server 2012 - 64 bit Windows Server 2018 R2 - 64 bit RedHat Enterprise Linux Server 6.6 - 32/64 bit / 7.0 - 64 bit CentOS 6.6 - 32/64 bit / 7.0 - 64 bit - Only supports AHCI mode
Encryption			
Power Input			
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	
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	Warranty	3 Years