TRANQUIL IT
ALL TERRAIN

Fanless Server - Intel Xeon Server Gen2 - IP66

Halfrack Fanless Rugged Server

Our XDS2 server is a top-of-the-line fanless rugged solution that boasts an unbeatable IP66 rating. It is equipped with the latest Intel Xeon D series processor, offering unparalleled performance and reliability. This Rugged Server proves to be a powerful tool for applications that require higher computing power. Its high IP rating allows it to function seamlessly even in the harshest operating circumstances.

Key Features

→   Processor: Xeon D2143 - D2163

→   Operating Range: -10C to 60C

→   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!

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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) UBuntu 16.04 (64 bit) / 18.04 (64 bit) Fedora 26 (64 bit) FreeBSD 11.2 (64 bit) VMWare ESXi 6.5 u1 Win hyper-V Server 2016
Encryption	TPM Header 1 x (13-pin)		
Power Input	IP68 Buccaneer 4000 3-pin Power Socket		
Input Voltage	110-230V		
Consumption	15-95w		

Physical Specification

I/O Front	1x VGA, 1x USB 2.0	LED Front	
I/O Rear	IP68 Power Socket, 2x RJ45 for 10GBe LAN, 1x RJ45 for IPMI, 1x Fuse Holder, Power switch	LED Rear	Power LED
I/O Optional	N/A	COM Port Option	N/A
Operational Temp	-10c to 60c (14F to 140F)	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 Cord	Optional Accessories	N/A
Certifications	CE, UKCA, RoHS, FCC , WEEE	Warranty	3 Years

UKCA RoHS FC CE