

Waterproof Fanless Server - Intel Xeon Server - IP66

Outdoor Edge Server

Fanless • Passively cooled

IP66

Waterproof Fanless rugged server for edge computing use



Product Overview

Our Waterproof Fanless Intel Xeon E Server is ideal for edge deployments in harsh environments, equipped with Intel Xeon E-2468 processor and support for high capacity memory, making it perfect for applications that demand more computing power than a typical rugged device.

Key Specifications

- Processor: Intel Xeon E-2468
- Operating Range: -10C to 50C
- Dual 10Gbe LAN, 1 dedicated IPMI LAN port
- ECC memory
- 4 DIMM slots

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!

SOLUTION FAMILY

Tranquil IT - Outdoor Edge Systems

This platform is delivered within the Tranquil IT solution family by 2CRSi Edge. Configuration options including OS imaging, software preload, and customer branding are available without altering the certified platform baseline

Waterproof Fanless Server - Intel Xeon Server - IP50



I/O Rear

IP68 Power Socket, 2x RJ45 for 10GbE LAN, 1x RJ45 for IPMI, 1x Fuse Holder, Power switch

Technical Specification

Processor	Intel Xeon E-2468 - 8 Cores / 16 Threads - 5.2 GHz Turbo - 24MB Cache		
Memory	Slots: 4 x DIMM Slots MAX Capacity: 128GB Type: DDR5 3200 UDIMM ECC Support: Yes	Storage	Storage 1 Max: 2TB M.2 SSD 2280 Storage 2 Max: 2TB 2 x 2.5" SATA SSD
Graphics Controller	ASPEED AST2600	Graphics Interface	1 x VGA - 1920 x 1200 @ 60Hz
Network Interface	2 x RJ45 (10GbE) Intel X550, 1 x RJ45 dedicated IPMI LAN port	Network Options	N/A
Network Feature	-	Remote Management	ASPEED AST2600
Hardware Monitoring	-	Supported OS	Windows Server 2022 Linux VMware ESX 8.0 u1
Encryption	TPM Header 1 x (14 pin)		
Power Input	IP68 Buccaneer 4000 3-pin Power Socket		
Input Voltage	12V		
Consumption	15-80w		

Physical Specification

I/O Front	1x VGA, 1x USB 2.0	LED Front	-
LED Rear	Power LED	COM Port Option	-
Operational	-10c to 50c (14F to 122F)	Storage Temp	-40c to 70c (-4F to 158F)
Maximum relative humidity	5% to 90%	Cooling Type	Passive cooling
Size	75 x 221 x 336 mm	Weight	9.35 KG
Accessories	Power cord	Optional Accessories	N/A
Certifications	<div style="display: flex; gap: 5px;"> CE UKCA RoHS FCC WEEE </div>	Warranty	3 Years

Configuration options (OS, branding, software preload) are available and do not alter the certified platform baseline. For bespoke requirements requiring engineering change, enquire about Tranquil Studio.