

Fanless Mini - AMD Ryzen V2000 Embedded Quad Display - IP66

Outdoor Edge System

Fanless • Passively cooled

IP66

Our AMD V2000 Waterproof is a durable computing solution designed for challenging environments



Product Overview

Our Waterproof Fanless Mini AMD Ryzen V2000 embedded system offers high-performance computing with its quad-core architecture. With 4x4K display ports and AMD Radeon Graphics supporting immersive visuals across multiple displays. The Fanless Mini Rugged's strong design enables it to adapt to the harshest operating circumstances. Whether exposed to dust, water, or wide temperature ranges, in an industrial context or outdoor, the fanless design ensures quieter, longer-lasting performance with no moving parts, this product can be used in the most demanding conditions.

Key Specifications

- Processor: V2516
- Operating Range: -10C to 50C
- Integrated Radeon™ Graphics, supports for 4 x 4K displays
- 1x Realtek 1GbE LAN, 1x Realtek 2.5GbE LAN
- 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!

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

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I/O Rear

IP68 Power Socket, Behind Panel Entry: 2x RJ45 for LAN, 2x USB2.0, 2x USB3.0, 4x Display Port, Line out, MIC In

Technical Specification

Processor	AMD V2516 - 6 Cores / 12 Threads - 2.10 GHz - 3MB Cache		
Memory	Slots: 2x SO-DIMM Slots MAX Capacity: 64GB Type: Dual Channel DDR4 3200 MHz ECC Support: No	Storage	Storage 1 Max: 4TB M.2 (Key M, 2242/2260/2280) with SATA3 and PCIe x4 for SSD
Graphics Controller	AMD Radeon™ Graphics 1500 MHz	Graphics Interface	3 x DP 1.2a, Max resolution up to 3840x2160 @60Hz 1 x DP 1.4, Max resolution up to 5120x2880 @120Hz
Network Interface	RJ45 - Realtek RTL8125BG with 10/100/1000/2500 Mbps RJ45 - Realtek R8111EPV with 10/100/1000	Network Options	AX201 - Wi-Fi 6 + Bluetooth 5.2 - IEEE 802.11 b/g/n/ac/ax - 2.4GHz/5GHz
Network Feature	Support DASH	Remote Management	N/A
Hardware Monitoring	Hardware Watchdog	Supported OS	Windows 10 x 64 Windows 11 x 64
Encryption	TPM 2.0		
Power Input	IP68 Buccaneer 4000 3-pin Power Socket		
Input Voltage	110-230V		
Consumption	84 - 120w		

Physical Specification

I/O Front	Power Switch	LED Front	Power LED
LED Rear	-	COM Port Option	-
Operational	-10c to 50c (14F to 122F)	Storage Temp	-20C to 60C (-4F to 140F)
Maximum relative humidity	5% to 95%	Cooling Type	Passive Cooling
Size	60 x 208 x 236 mm	Weight	3.4 KG
Accessories	IP66 Power Cord	Optional Accessories	Wireless Antenna, Wall Mount Kit
Certifications		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.