

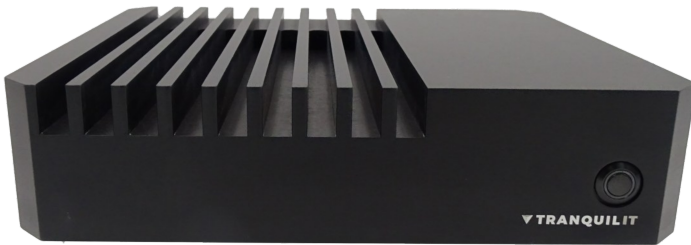
Fanless Mini - AMD V2000 Embedded Quad

Compact Edge System

Fanless • Passively cooled

IP51

Our latest Fanless AMD Mini Range offers multiple display ports and AMD Radeon Graphics



Product Overview

The 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. Its fanless design ensures silent operation and its IP51 rating adds durability in challenging environments. Ideal for applications demanding efficient multitasking and robust graphics capabilities.

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 - Compact 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

Fanless Mini - AMD V2000 Embedded Quad Display - IP51



I/O Rear

2 x COM, DC-In 12-28V, 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: Yes	Storage	Storage 1 Max: 4TB M.2 (Key M, 2242/2260/2280) with SATA3 and PCIe x4 for SSD Storage 2 Max:
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	2.5 x 5.5mm DC Jack (Screw Type)		
Input Voltage	12-28V		
Consumption	12 - 48w		

Physical Specification

I/O Front	Power Switch	LED Front	Power LED
LED Rear	Network Uplink/Activity	COM Port Option	1 x COM (RS-232) 1 x COM (RS-232/422/485)
Operational	-10c to 50c	Storage Temp	-20c to 60c
Maximum relative humidity	5% to 95%	Cooling Type	Passive Cooling
Size	49 x 208 x 180 mm	Weight	2.4 KG
Accessories	Power Supply, Power cord	Optional Accessories	Wireless Antenna, VESA/WALL mount
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.