

Mini Rugged - AMD Ryzen Embedded Quad Display - IP51

Our Mini Rugged range offers an array of processors options, IP rating levels, and both modern and legacy I/O

Powered by AMD Ryzen V1000, this Mini Rugged system boasting 4 display ports each capable of 4K video output is ideal for scenarios where multiple displays are required. Just to name a few possible applications: high resolution embedded uses such as electronic gaming machines, medical imaging, interactive digital signage, thin clients, POS terminals, CCTV... and certainly many more!



Key Features

- Processor: V1202B - 1605B
- Operating Range: -10C to 40C
- Supports four 4K displays
- Dual 1Gbe 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!

MR-R1EQD-51

Mini Rugged - AMD Ryzen Embedded Quad Display - IP51



Rear view (some features shown maybe options)

Technical Specification

Processor	AMD Ryzen V1202B - 2 Cores/4 Threads - 2.30 GHz / 3.20 GHz Turbo - 1MB Cache (Shared) AMD Ryzen V1605B - 4 Cores/ 8 Threads - 2.00 GHz / 3.60 GHz Turbo - 2MB Cache (Shared)		
Memory	Slots: 2x SO-DIMM Slots MAX Capacity: 32GB Type: DDR4-3200 1.2V SO-DIMM ECC Support: Yes - Optional	Storage	Storage 1 Max: 2TB M.2 SSD 2280 Storage 2 Max: OR 2TB M.2 NVME 2280
Graphics Controller	AMD Vega GPU – Max Share memory – 1MB	Graphics Interface	4x DisplayPort 1.4 - 4096 x 2304 @ 60Hz
Network Interface	RTL8111G - 2 x RJ45 - 10/100/1000 Mbps	Network Options	AC 7265 - Wi-Fi + Bluetooth IEEE 802.11 ac - 5GHz - Dual Band
Network Feature	Wake-On-Lan PXE	Remote Management	
Hardware Monitoring	Watchdog On-Board	Supported OS	Windows 10 - 32/64 bit Linux
Encryption	TPM 2.0		
Power Input	2.5 x 5.5mm DC Jack		
Input Voltage	12-19V		
Consumption	12-35w		

Physical Specification

I/O Front	Power/reset switch, Line-Out, USB3.1 Type C, USB2.0, Mic-In	LED Front	Power
I/O Rear	1 x Com, DC-In 12-19V, 2x RJ45 for LAN, 2x USB2.0, 4x Display Port	LED Rear	Network Uplink/Activity, UID LED
I/O Optional	Dual Wireless Antenna	COM Port Option	RS232 RS422 RS485
Operational Temp	-10c to 40c (14F to 104F)	Storage Temp	-20c to 80c (-4F to 176F)
Maximum relative humidity	10% to 90%	Cooling Type	Passive Cooling
Size	49 x 180 x 157 mm	Weight	1.7 KG
Accessories	Power supply, power cord, vesa/wall bracket	Optional Accessories	Wireless Antenna
Certifications	CE	Warranty	3 Years