

TRANQUILIT

ALL TERRAIN

Fanless NUC - AMD Ryzen
R2000 Embedded - IP51

Powerful small form factor solution

This latest Fanless NUC system features the AMD R2314 CPU in a small and compact design. It comes equipped with 3 video outputs, making it an excellent choice for use in harsh environments. The system is passively cooled, ensuring a long lifespan with no maintenance required. This makes it perfect for large project installations where minimizing downtime and controlling costs are crucial.



Key Features

- Processor: R2314
- Operating Range: 0C to 40C
- 3 Video outputs
- 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!

FN-R2E-51

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Rear view (some features shown maybe options)

Technical Specification

Processor	R2314 - 4 Cores / 4 Threads - 2.1 GHz / 3.5 GHz Turbo		
Memory	Slots: 2 x SO-DIMM Slots MAX Capacity: 32GB Type: DDR4-2400 1.2V SO-DIMM ECC Support: Yes - Optional	Storage	Storage 1 Max: 2TB M.2 NVME 2260 PCIe 3.0 x4 Storage 2 Max: 8TB 2.5" SATA SSD
Graphics Controller	AMD Radeon	Graphics Interface	1 x HDMI 2.0 2 x DisplayPort 1.4
Network Interface	RTL8111H - 2 x RJ45 - 10/100/1000/ Mbps	Network Options	AX210 - Wi-Fi 6E IEEE 802.11 b/g/n/ac/ax - 2.4GHz/5GHz/6GHz + Bluetooth 5.3
Network Feature	Wake-On-Lan PXE (UEFI and Legacy)	Remote Management	N/A
Hardware Monitoring	Watchdog On-Board	Supported OS	Windows 10 64 bit Windows 10 IOT Enterprise - 64 bit Linux
Encryption	TPM 2.0 (Infineon SLB9670)		
Power Input	2.5 x 5.5mm DC Jack		
Input Voltage	12 - 19V		
Consumption	13 - 51w		

Physical Specification

I/O Front	Power Switch, 1x USB 3.1	LED Front	Power
I/O Rear	DC-In 12-19V, 2x RJ45 for LAN, 2x USB 3.1, 1x HDMI, 2x DP, Kensington Lock point	LED Rear	Network Uplink/Activity
I/O Optional	Dual Antenna	COM Port Option	
Operational Temp	0c to 40c (32F to 104F)	Storage Temp	-20c to 80c (-4F to 176F)
Maximum relative humidity	10% to 90%	Cooling Type	Passive Cooling
Size	55 x 177 x 114 mm	Weight	1.4 KG
Accessories	Power supply, power cord	Optional Accessories	Wireless Antenna, VESA KIT
Certifications	CE, UKCA, RoHS, FCC , WEEE	Warranty	3 Years

**UK
CA** RoHS FC CE

