

Fanless Mini - Intel 12th Gen Mobile - IP66

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

The Fanless Mini Rugged IP66 12th Gen is the go anywhere computer for extreme environments: powered by up to an i7 processor, 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, this product can be used in the most demanding conditions.



Key Features

- Processor: i3 up to i7
- Operating Range: -10C to 50C
- IP66 Weather Proof
- 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!

FM-12M-66

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Rear view (some features shown maybe options)

Technical Specification

Processor	Intel i3 1210U - 6 Cores / 8 Threads upto 4.40 GHz - 10MB Cache Intel i5 1235U - 10 Cores / 12 Threads upto 4.40 GHz - 12MB Cache Intel i7 1255U - 10 Cores / 12 Threads upto 4.70 GHz - 12MB Cache		
Memory	Slots: 2 x SO-DIMM Slots MAX Capacity: 64GB Type: DDR4-3200 1.2V SO-DIMM ECC Support: No	Storage	Storage 1 Max: 8TB 2.5" SATA SSD Storage 2 Max:
Graphics Controller	Intel UHD Graphics for 12th Gen Intel Processors	Graphics Interface	1 x DisplayPort 7680 x 4320P @ 60Hz 1 x HDMI 2.0 4096 x 2160 @ 60Hz
Network Interface	I219-V - 1 x RJ45 - 10/100/1000 Mbps RTL8111H - 1 x RJ45 - 10/100/1000 Mbps	Network Options	RTL8821CE Wi-Fi 5 IEEE 802.11 b/g/n/ac - 2.4GHz/5GHz + Bluetooth 4.2 AX210 - Wi-Fi 6E IEEE 802.11 b/g/n/ac/ax - 2.4GHz/5GHz/6GHz + Bluetooth 5.3 4G Option
Network Feature	Wake-On-Lan PXE	Remote Management	N/A
Hardware Monitoring	Watchdog On-Board	Supported OS	Windows 10 - 64 bit Windows 11 - 64 bit Linux
Encryption	fTPM 2.0 (Intel PTT)		
Power Input	IP68 Buccaneer 4000 3-pin Power Socket		
Input Voltage	110-230V		
Consumption	TBD		

Physical Specification

I/O Front	Power/reset switch	LED Front	Power
I/O Rear	IP68 Power Socket, Behind Panel Entry: 2x RJ45 for LAN, 2x USB3.0, 1x Display Port, 1x HDMI, 1 x 3.5mm Audio-Out, 1 x 3.5mm Mic-In, Sim Slot	LED Rear	
I/O Optional	Dual Antenna	COM Port Option	
Operational Temp	-10c to 50c (14F to 122F)	Storage Temp	-20c to 70c (-4F to 158F)
Maximum relative humidity	5% to 95%	Cooling Type	Passive Cooling
Size	60 x 208 x 265 mm	Weight	3.4 KG
Accessories	IP66 Power Cord	Optional Accessories	Wireless Antenna, Wall Mount Kit
Certifications	CE, UKCA, RoHS, FCC, WEEE	Warranty	3 Years

UK RoHS FC CE

