TRANQUIL IT
ALL TERRAIN

Fanless Mini - Intel J4125 - IP51

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

The Fanless Mini is our entry level computer, which has great flexibility. Other features include HDMI and USB3.0. The Fanless Mini Rugged is a versatile product ensuring reliability with a wide range of I/O options.

Key Features

→ Processor: Intel Celeron J4125

→ Operating Range: -10C to 50C

→ fTPM 2.0 (Intel PTT)

→ 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-CJ4-51

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Rear view *(some features shown maybe options)*

Technical Specification

Processor	Intel Celeron J4125 - 4 Cores / 4 Threads - 2.00 / 2.70 GHz - 4MB Cache		
Memory	**Slots:** 1x SO-DIMM Slots **MAX Capacity:** 8GB **Type:** DDR4-2400 1.35V SO-DIMM **ECC Support:** No	**Storage**	Storage 1 Max: 1TB mSATA SSD Storage 2 Max: 8TB 2.5" SATA SSD
Graphics Controller	Intel UHD Graphics 600	**Graphics Interface**	1 x HDMI 2.0 4096 x 2160 @ 30Hz 1 x DisplayPort 4096x2160@60Hz
Network Interface	RTL8111H - 1 x RJ45 - 10/100/1000 Mbps	**Network Options**	RTL8188EE - Wi-Fi 4 IEEE 802.11 b/g/n - 2.4GHz RTL8821AE - Wi-Fi 5 IEEE 802.11 b/g/n/ac - 2.4GHz/5GHz Dual Band + Bluetooth 4.0 4G Option (instead of WiFi or mSATA storage)
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 11 - 64 bit Linux
Encryption	fTPM 2.0 (Intel PTT)		
Power Input	2.5 x 5.5mm DC Jack		
Input Voltage	12V		
Consumption	8-25W		

Physical Specification

I/O Front	Power Switch, 1 x COM	**LED Front**	Power
I/O Rear	DC-In 12V, 1x RJ45 for LAN, 2x USB3.0, 2x USB2.0, 1x HDMI, 1 x DP (Optional VGA instead of DP), 1 x 3.5mm Audio-Out, 1 x 3.5mm Mic-In	**LED Rear**	Network Uplink/Activity
I/O Optional	Dual Antenna	**COM Port Option**	RS232/RS422/RS485
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	28 x 208 x 178 mm	**Weight**	0.8 KG
Accessories	Power supply, power cord	**Optional Accessories**	Wireless Antenna
Certifications	CE, UKCA, RoHS, FCC , WEEE	**Warranty**	3 Years

UK CA RoHS FC CE