TRANQUIL IT
ALL TERRAIN

Fanless Mini - Intel 13th Gen Mobile - IP51

Our 13th Gen Rugged PC is a durable computing solution designed for challenging environments

Our Intel 13th Gen Rugged PC is a robust and reliable computing solution designed to withstand harsh environments and extreme conditions. With dual 1Gbe LAN, it offers powerful performance, enhanced durability, and its rugged features ensures seamless operation in challenging scenarios. Ideal for industrial, military, and field-based applications, our rugged pcis engineered to deliver dependable performance in demanding work environments.

Key Features

→   Processor: i5 up to i7

→   Operating Range: -20C to 50C

→   Dual 1GbE LAN

→   fTPM 2.0 (Intel PTT)

→   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!

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Rear view *(some features shown maybe options)*

Technical Specification

Processor	Intel i5 1335U - 10 Cores / 12 Threads - 3.40 GHz - 12MB Intel Smart Cache Intel i7 1355U - 10 Cores / 12 Threads - 3.70 GHz - 12MB Intel Smart 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: 4TB M2.NVME 2280 Storage 2 Max: 8TB 2.5" SATA SSD
Graphics Controller	Intel (R) UHD Graphics	**Graphics Interface**	1 x DisplayPort 4096 x 2160 @ 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**	802.11 a/b/g/n /ac - Wifi + Bluetooth 4.0
Network Feature	Wake-On-Lan PXE or UEFI PXE	**Remote Management**	N/A
Hardware Monitoring	Watchdog On-Board	**Supported OS**	Windows 10 - 64 bit Windows 11 - 64 bit Linux Linux Ubuntu
Encryption	fTPM 2.0 (Intel PTT)		
Power Input	2.5 x 5.5mm DC Jack		
Input Voltage	12V-19V		
Consumption	84 - 120w		

Physical Specification

I/O Front	Power switch	**LED Front**	Power
I/O Rear	DC-In 12-19V, 2x RJ45 for LAN, (Opt 2x USB2.0 or 1x RS232), 2x USB3.0, 1x Display Port, 1x HDMI, 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	-20c to 50c (-4F to 122F)	**Storage Temp**	-20c to 70c (-4F to 158F)
Maximum relative humidity	5% to 95%	**Cooling Type**	Passive Cooling
Size	51 x 177 x 208 mm	**Weight**	2.4 KG
Accessories	Power Supply, power cord	**Optional Accessories**	Wireless Antenna, VESA KIT
Certifications	CE, UKCA, RoHS, FCC , WEEE	**Warranty**	3 Years

UKCA RoHS FC CE