

TRANQUILIT

ALL TERRAIN

Fanless NUC - Intel 10th Gen Mobile - IP51

Powerful small form factor solution

Its small footprint makes the Fanless NUC ideal for locations where space is at a premium, such as kiosks or mobile transport applications. Performance is not compromised the solution can house up to an i7 processor despite its small size. Its 2 video outputs make this little system great for workstations or CCTV monitoring systems whilst its high IP rating enables it to run in less than clean environments 24/7.



Key Features

- Processor: i3 - i7
- Operating Range: -10C to 50C
- Dual Display
- 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, indicating 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-10M-51

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Rear view (some features shown maybe options)

Technical Specification

Processor	Intel i3 10110u - 2 Cores / 4 Threads - 2.10 GHz - 4MB Cache Intel i5 10210u - 4 Cores / 8 Threads - 1.60 GHz - 6MB Cache Intel i7 10510u - 4 Cores / 8 Threads - 1.80 GHz - 8MB Cache		
Memory	Slots: 2x SO-DIMM Slots MAX Capacity: 64GB Type: DDR4-2666 1.2V SO-DIMM ECC Support: No	Storage	Storage 1 Max: 8TB 2.5" SATA SSD Storage 2 Max: 1TB mSATA SSD
Graphics Controller	Intel UHD Graphics for 10th Gen Intel Processors	Graphics Interface	1 x mini DisplayPort - 4096 x 2160 @ 60HZ 1 x HDMI 1.4 - 4096 x 2160 @ 30HZ
Network Interface	I219-V - 1 x RJ45 - 10/100/1000 Mbps RTL8111H - 1 x RJ45 - 10/100/1000 Mbps (Optional - instead of WiFi)	Network Options	RTL8821AE - Wi-Fi 5 IEEE 802.11 b/g/n/ac - 2.4GHz/5GHz Dual Band + Bluetooth 4.0 AX210 - Wi-Fi 6E IEEE 802.11 b/g/n/ac/ax - 2.4GHz/5GHz/6GHz + Bluetooth 5.3 4G Option (instead of 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	10 - 60w		

Physical Specification

I/O Front	Power Switch, 1x USB 3.0, 1x USB Type C, 1x Audio In/Out 3.5mm TRRS	LED Front	Power
I/O Rear	1x COM, DC-In 12V, 1x RJ45 for LAN, 2x USB 3.0, 1x HDMI, 1x miniDP	LED Rear	Network Uplink/Activity
I/O Optional	Dual Antenna	COM Port Option	RS232
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	59 x 185 x 113 mm	Weight	1.4 KG
Accessories	Power supply, power cord	Optional Accessories	Wireless Antenna
Certifications	CE, UKCA, RoHS, FCC, WEEE	Warranty	3 Years

