

Fanless Mini - Intel 15th Gen Mobile - IP66

Outdoor Edge System

Fanless • Passively cooled

IP66

Our 15th Gen Waterproof is a durable computing solution designed for challenging environments



Product Overview

Our Waterproof Fanless Mini Rugged IP66 15th Gen is equipped with the latest Intel Core Ultra processors, delivering performance in a compact and durable form factor. 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, the fanless design ensures quieter, longer-lasting performance with no moving parts, this product can be used in the most demanding conditions.

Key Specifications

- Processor: Intel Core Ultra 5 225U - Intel Core Ultra 7 255U
- Operating Range: -10C to 60C
- Dual 1GbE LAN
- Encryption: 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!

SOLUTION FAMILY

Tranquil IT - Outdoor Edge Systems

This platform is delivered within the Tranquil IT solution family by 2CRSi Edge. Configuration options including OS imaging, software preload, and customer branding are available without altering the certified platform baseline

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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

Technical Specification

Processor	Intel Core Ultra 5 225U - 12 Core / 14 Thread - up to 4.80 GHz -12MB Smart Cache Intel Core Ultra 7 255U - 12 Core / 14 Thread - up to 5.2 GHz -12MB Smart Cache		
Memory	Slots: 2x SO-DIMM Slots MAX Capacity: 64GB Type: DDR5 5600 MHz SO-DIMM ECC Support: No	Storage	Storage 1 Max: 4TB M.2 NVME 2280 Storage 2 Max: 8TB 2.5" SATA SSD
Graphics Controller	Intel Arc Graphics Ultra Core	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	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/5G option
Network Feature	Wake-On-Lan PXE or UEFI PXE	Remote Management	remote switch machine intelligent
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	84 - 120w		

Physical Specification

I/O Front	Power/reset switch	LED Front	Power
LED Rear	-	COM Port Option	-
Operational	-10C to 60C (14F to 140F)	Storage Temp	-20C to 60C (-4F to 140F)
Maximum relative humidity	5% to 95%	Cooling Type	Passive Cooling
Size	60 x 208 x 236 mm	Weight	3.4 KG
Accessories	IP66 Power Cord	Optional Accessories	Wireless Antenna, Wall Mount Kit
Certifications		Warranty	3 years

Configuration options (OS, branding, software preload) are available and do not alter the certified platform baseline. For bespoke requirements requiring engineering change, enquire about Tranquil Studio.