

# Fanless NUC - Intel Ultra 15th Gen vPro - IP51

Compact Edge System

Fanless • Passively cooled

IP51

## Powerful small form factor solution



### Product Overview

The Fanless NUC is a compact and rugged PC supporting Intel's Ultra 15th Gen processor. It comes equipped with features like Intel's vPro for remote management and Intel® Arc™ 140T graphics. With multiple connectivity ports and dual LAN network, this computer provides ample connectivity options.

Due to its small size, the Fanless NUC is perfect for locations where space is limited, such as kiosks or mobile transport applications. Additionally, its fanless design means that maintenance and servicing can be done without any worry or hassle.

### Key Specifications

- Processor: Intel Core Ultra 5 225H - Ultra 7 255H
- Supports Quad display
- Intel vPro
- Dual 2.5GbE 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!

### SOLUTION FAMILY

#### Tranquil IT - Compact 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

DC-In 12-24V, 2x USB 3.2, 2x HDMI, 2x RJ45 for LAN Port, 2x RJ45 for LAN

## Technical Specification

<b>Processor</b>	Intel Core Ultra 5 225H 14 Cores / 14 Threads - 4.90 GHz - 18MB Intel Smart Cache Intel Core Ultra 7 255H 16Cores / 16Threads - 5.10 GHz - 24MB Intel Smart Cache		
<b>Memory</b>	<b>Slots:</b> 2x SO-DIMM Slots <b>MAX Capacity:</b> 64GB <b>Type:</b> Dual Channel DDR5 6400 MHz <b>ECC Support:</b> No	<b>Storage</b>	Storage 1 Max: 2TB M.2 SSD 2280 Storage 2 Max: 2TB 1 X 2.5" SATA3.0 SSD
<b>Graphics Controller</b>	Intel® Arc™ 140T graphics	<b>Graphics Interface</b>	2 x HDMI 2.1 - 4096 x 2160 @ 60Hz
<b>Network Interface</b>	i226-LM - 1 x RJ45 - 10/100/1000/2500 Mbps i226-V 1 X RJ45 - 10/100/1000/2500 Mbps	<b>Network Options</b>	M.2 E-Key 2230 (WiFi/BT, PCIe/USB 2.0)
<b>Network Feature</b>	Wake-On-Lan PXE	<b>Remote Management</b>	Intel vPro Technologies
<b>Hardware Monitoring</b>	Watchdog On-Board	<b>Supported OS</b>	Windows 11 - 64 bit Windows 10 - 64 bit Linux
<b>Encryption</b>	Intel® PTT		
<b>Power Input</b>	2.5 x 5.5mm DC Jack		
<b>Input Voltage</b>	12 - 24V		
<b>Consumption</b>	10 -90w		

## Physical Specification

<b>I/O Front</b>	Power Switch, 1x USB 3.2, 1x USB4/ Thunderbolt 4, 1x USB Type C	<b>LED Front</b>	Power
<b>LED Rear</b>	Network Uplink/Activity	<b>COM Port Option</b>	RS232
<b>Operational</b>	-10°C to 40°C (14°F to 104°F)	<b>Storage Temp</b>	-20°C to 70°C (-4°F to 158°F)
<b>Maximum relative humidity</b>	5% to 95%	<b>Cooling Type</b>	Passive Cooling
<b>Size</b>	55 x 255 x 113.2 mm	<b>Weight</b>	2.09 KG
<b>Accessories</b>	Power supply, power cord	<b>Optional Accessories</b>	Wireless Antenna
<b>Certifications</b>		<b>Warranty</b>	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.