

# Tranquil Mini Rugged - Intel 7th Gen i3 7020U Mobile Single LAN - IP51

**Our Mini Rugged range offers an array of processors options, IP rating levels, and both modern and legacy I/O**

The Mini Rugged is our entry level computer, which has great flexibility including legacy IO such as VGA and RS232. Other features include HDMI, USB3.0 and powered by Intel's i3 7020U. The Mini Rugged is a versatile product ensuring reliability with a wide range of I/O options.



## Key Features

- Processor: i3 7020U
- Operating Range: -15C to 50C
- 1Gbe LAN
- Maintenance free
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## 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

#### Technical Specification

<b>Processor</b>	Intel i3 7020U - 2 Cores / 4 Threads - 2.30 GHz - 3MB Cache		
<b>Memory</b>	Slots: 2x SO-DIMM Slots MAX Capacity: 32GB Type: DDR3L-1600 1.35V SO-DIMM ECC Support: No	<b>Storage</b>	4TB 2.5" SSD /
<b>Graphics Controller</b>	Intel HD Graphics 620	<b>Graphics Interface</b>	1x HDMI 1.4a – 4096 x 2304 @24hz 1x VGA – 1920 x 1200 @ 60HZ
<b>Network Interface</b>	RTL8111F - 1 x RJ45 - 10/100/1000 Mbps	<b>Network Options</b>	RTL8188EE - Wi-Fi IEEE 802.11 b/g/n - 2.4GHz/5Ghz RTL8188EE - Wi-Fi + Bluetooth IEEE 802.11 b/g/n - 2.4GHz/5Ghz - Dual Band 4G option
<b>Network Feature</b>	Wake-On-Lan PXE	<b>Remote Management</b>	
<b>Hardware Monitoring</b>	Watch Dog On-Board	<b>Supported OS</b>	Windows 7 - 32/64 bit Windows 10 - 32/64 bit Linux
<b>Encryption</b>	TPM 2.0		
<b>Power Input</b>	2.5 x 5.5mm DC Jack		
<b>Input Voltage</b>	12-19V		
<b>Consumption</b>	15-35w		

#### Physical Specification

<b>I/O Front</b>	Power/reset switch	<b>LED Front</b>	Power
<b>I/O Rear</b>	2x COM, DC-In 12-19V, 1x RJ45 for LAN, 4x USB2.0, 2x USB3.0, 1x VGA, 1x HDMI, Line out, MIC In	<b>LED Rear</b>	Network Uplink/Activity
<b>I/O Optional</b>	Dual Wireless Antenna	<b>COM Port Option</b>	RS232/422/485
<b>Operational Temp</b>	-15C to 50C (5F to 122F)	<b>Storage Temp</b>	-20°C to 60°C (-4°F to 140°F)
<b>Maximum relative humidity</b>	5% to 95%	<b>Cooling Type</b>	Passive Cooling
<b>Size</b>	49 x 208 x 180mm	<b>Weight</b>	2.4KG
<b>Accessories</b>	Power supply, power cord, vesa/wall bracket	<b>Optional Accessories</b>	Wireless Antenna
<b>Certifications</b>	CE	<b>Warranty</b>	3 Years