TEGUAR

Features

- 11th Generation Core i Processor
- Windows 11
- Fanless Operation
- TPM 2.0 Security and Encryption
- Optional I/O Expansions

Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i3-1115G4E
Processor Speed	2.2 GHz, Up to 3.9 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	16GB, 32GB, 4GB, 64GB, 8GB
Storage Type	1x M.2 SATA3 2280 Slot
Storage Support	M.2: 256GB-1TB

External I/O Ports

USB	4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	COM1 RS-232, COM2 RS-232/422/485 via Y-CABLE Included
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x DP-1.4/HDMI combo Video Out
Audio Ports	1x 3.5mm Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Max Power Consumption	28W
Standard Power Adapter	19Vdc, 6.3A, 120W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro

Compatibility

Security Hardware	TPM 2.0

Expansion Slots

| Internal M.2 | 1x M.2 2230 Key E (for WiFi expansion option) |
| Other | Optional Daughter Boards for various I/Os |

Thermal & Environmental

Operating Temperature	-20°C - 60°C (-4°F – 140°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Enclosure

Material	Aluminum
Color	Black
Mounting Options	VESA 100 Mount

Peripherals & Wireless Connectivity

WiFi	Wi-Fi 6 optional
Bluetooth	Optional Bluetooth 5.1
Sim Card	1x Nano SIM Card Slot

Weight / Dimensions

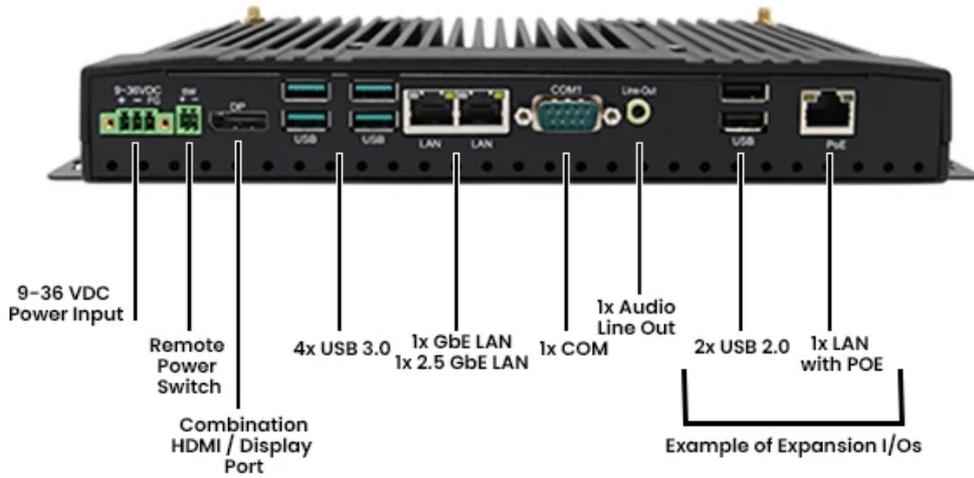| Weight | 1.05 kg (2.3 lbs) |
| Dimensions | 252.7 x 158.7 x 36 mm (9.9 x 6.2 x 1.4 in) |

Certification

| Certifications | CE, FCC |

Warranty

| Warranty | Up to 5 Years |

I/O Diagram Images

- 9-36 VDC Power Input
- Remote Power Switch
- Combination HDMI / Display Port
- 4x USB 3.0
- 1x GbE LAN
- 1x 2.5 GbE LAN
- 1x COM
- 1x Audio Line Out
- 2x USB 2.0
- 1x LAN with POE
- Example of Expansion I/Os

Tech Diagram Images
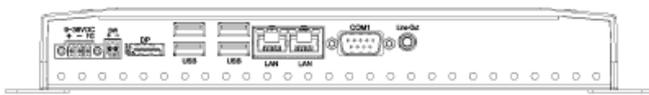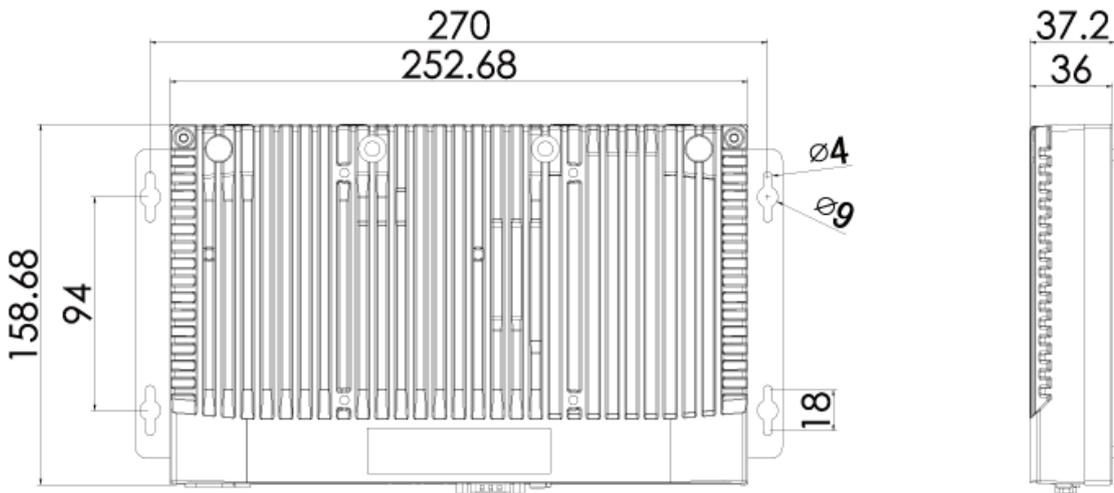
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All specifications are subject to change without notice.