



Features

- 21.5" LCD Touchscreen
- Intel Celeron Quad-Core CPU
- Sealed Cable Gland for I/O Connections
- Fully Waterproof IP66, IP69K, Optional IP67
- Resistive or P-Cap Touch

Technical Specifications

Primary Components

Processor Family	Intel Celeron Bay Trail
Processor Model	J1900 Quad Core
Processor Speed	2.0 GHz
Memory Type	2x DDR3L SO-DIMM
Memory Support	2GB, 4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

Display

Screen Size	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	Optional 1000 nit High Brightness, 250 nits

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Hardness	4H

External I/O Ports

USB	1x USB 3.0, 3x USB 2.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232, 1x RS-232/422/485 (RS485 supports auto flow control, Jumperless configuration in BIOS)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DVI-I
Audio Ports	1x Audio Line-Out
Power Input Port	M12 type 5-PIN DC-in

Power

Input Voltage Range	7-32V DC
Max Power Consumption	40.2W
Standard Power Adapter	AC 100 ~ 277/ 47 ~ 63 Hz / DC Output 12V, IP68, AC Cable 2130MM

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro
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Compatibility

Security Hardware	Optional TPM 2.0
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Expansion Slots

Internal M.2	1x M.2 Type E
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Multimedia

Speakers	Optional Speaker
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Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Enclosure

Material	Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66, IP69K, Optional IP67
Color	Stainless Steel
Control Buttons	Power Button
Mounting Options	Table Mount, VESA 100 Mount, Wall Mount
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzene, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol

Peripherals & Wireless Connectivity

WiFi	Optional WiFi + Bluetooth Flat Antenna Kit
Barcode Scanner	Optional 1D/2D Barcode Scanner

Weight / Dimensions

Weight	17.1 kg (37.7 lbs)
Dimensions	557 x 358.5 x 105 mm (21.9 x 14.1 x 4.1 in)

Certification

Certifications	CE, FCC, VCCI Class B
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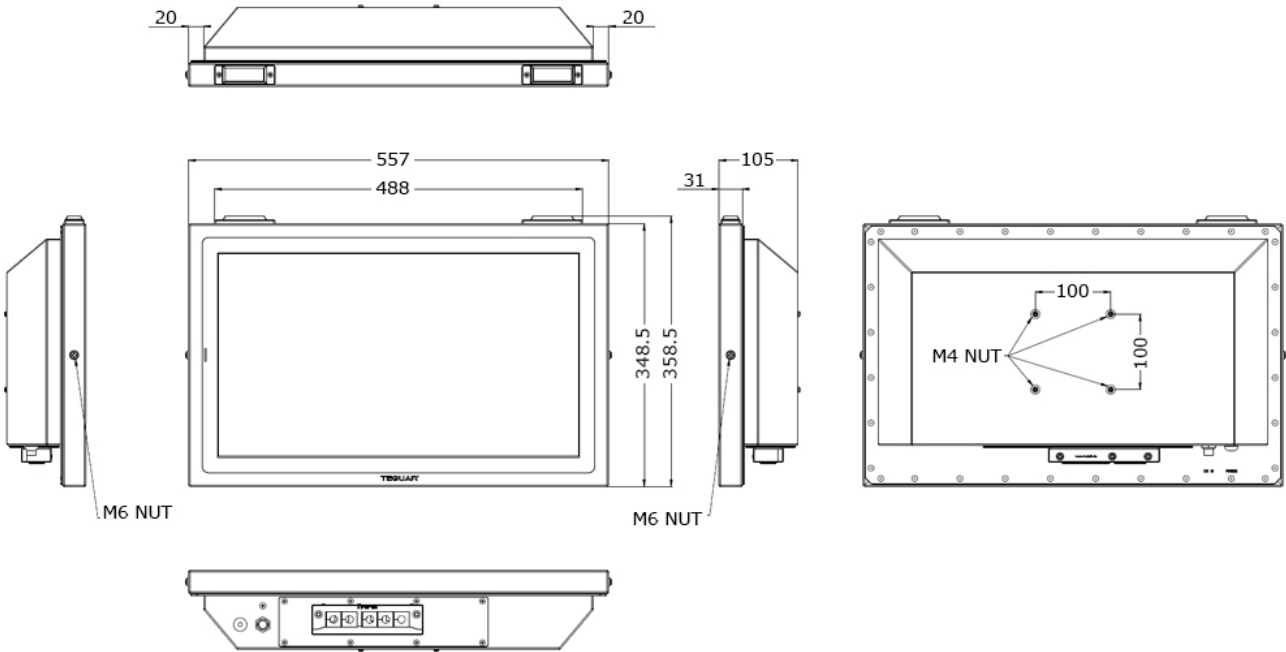
Warranty

Warranty	Up to 5 Years
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I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.