TEGUAR®

Features

- 15" 4:3 Ratio Touchscreen
- Intel Celeron Quad Core Processor
- IP66 / IP69K / NEMA 4X Stainless Steel Enclosure
- M12 Metal Input Output Connectors
- Fully Sealed with Fanless Design

Technical Specifications

General

Main Category	Industrial Computer

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	15"
Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	400 nits
Contrast Ratio	600:1
Viewing Angle	160º (H), 160º (V)

Expansion Slots

Internal Mini PCIe	2x Mini-PCIe
video card support	Intel HD Graphics

Multimedia

Thermal and Environmental

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

Touch Screen

Touch Screen	5 Wire Resistive
Light Transmission	80±5%
Hardness	Resistive: 4H, P-cap: 7H
Glass Thickness	2.4mm

Enclosure

Material	SUS304 Stainless Steel
Ip Rating	IP66, IP69K, NEMA 4X, Optional IP67
Color	Stainless Steel
Control Buttons	Power Button, Power Reset
Mounting Options	Table Mount, VESA 100 Mount, Wall Mount
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, 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
Cleaning Instructions	View instructions here

External I/O ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial Protocol Detail	RS-232
Ethernet / LAN	1x RJ45 GbE LAN
Power Input Port	M12 type 5-PIN DC-in

Peripherals & Wireless Connectivity

WiFi	Optional Bluetooth kit and WLAN with External Antenna

Power

Input Voltage Range	7-32V DC
Max Power consumption	32W
Standard Power Adapter	AC 100~240V / 47 ~ 63Hz, IP68, 60W

Dimensions / Weight

Weight	7.6 KG (16.8 lbs)
Dimensions	395 x 58 x 309.5 mm (15.6 x 2.3 x 12.2 in)

Battery

Certification

Certifications	CE, FCC Class A, VCCI

Operating Systems

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

Compatibility

Security Hardware	Optional TPM 2.0

Warranty

Warranty	Up to 5 Years

Filters

Inputs / Outputs

LAN   USB   USB   COM 1   COM 2   DC In   Power   Reset

Technical Drawings

* Note: All dimensions are in mm
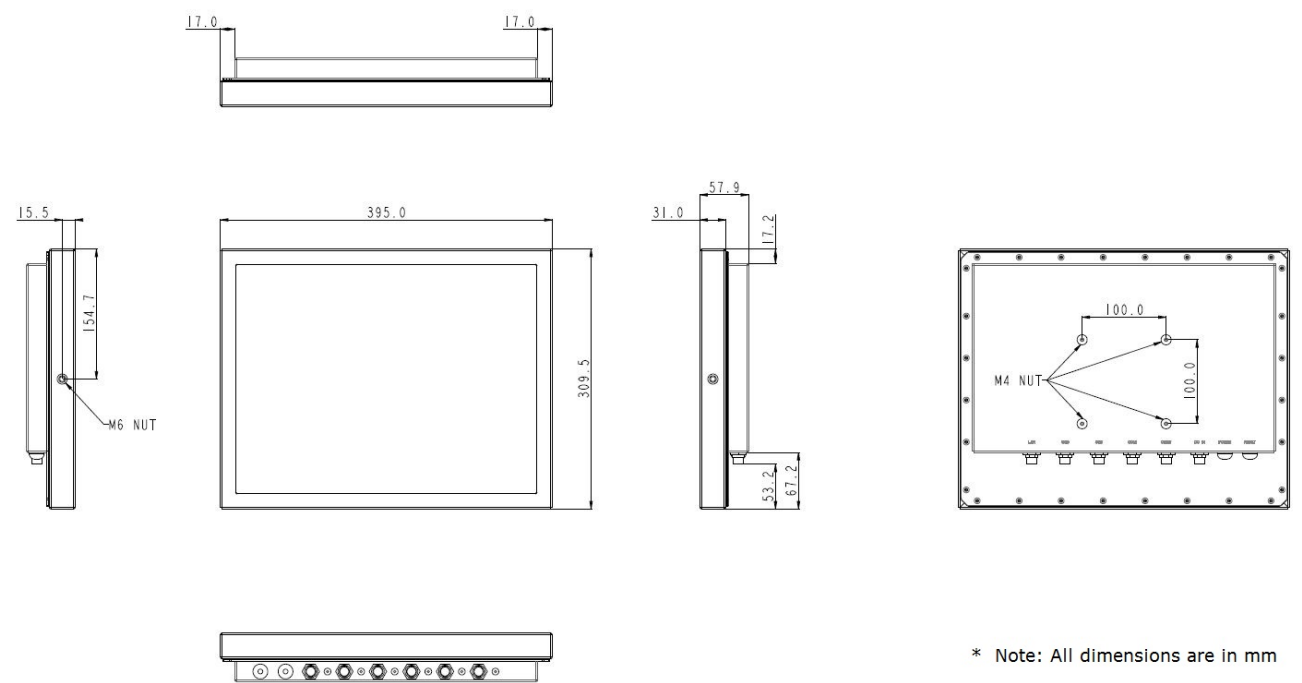
All specifications are subject to change without notice.