TEGUAR

Features

- 15" Touch Screens
- 12th Gen Intel Core i5 10-Core CPU
- Cable Gland for Sealed I/O Connections
- IP66, IP69K Waterproof Rating
- Windows 11 Compatible
- Dual 2.5 GbE LAN

Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5-1245UE
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 6GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

Display

Screen Size	15"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Hardness	Resistive: 3H, P-cap: 7H

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2, 2x USB 3.2 Type C
Serial / Com	2x COM
Serial Protocol Detail	2x RS-232/422/485
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	2x Display Port 1.4a via USB-C, 2x HDMI 2.0b
Audio Ports	1x Audio Line-Out, 1x Mic-In

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	AC 100 ~ 277V / 47 ~ 63 Hz / DC output 24V, 5A, 120W, IP68

Operating Systems

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

Compatibility

Security Hardware	TPM 2.0

Expansion Slots

Internal M.2	1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option), 1x M.2 for NVME SSD Support, 1x M.2 Type E

Multimedia

Speakers	Optional Speaker

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
Color	Stainless Steel
Control Buttons	Brightness Down, Brightness Up, Power Button
Mounting Options	Swing Arm, Table Mount, VESA 100 Mount, Wall Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi + Bluetooth Flat Antenna Kit
Sim Card	1x Nano SIM Card Slot
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID (Cannot coexist with barcode scanner)

Weight / Dimensions

Weight	8.4 kg (18.5 lbs)
Dimensions	395 x 310 x 105 mm (15.6 x 12.2 x 4.1 in)

Certification

Certifications	CE, FCC, VCCI Class B

Warranty

Warranty	Up to 5 Years

I/O Diagram Images

Tech Diagram Images

17.0   17.0

395.0

105.0

34.0

17.2

309.5

M6-NUT

M6-NUT

100.0

100.0

M4-NUT
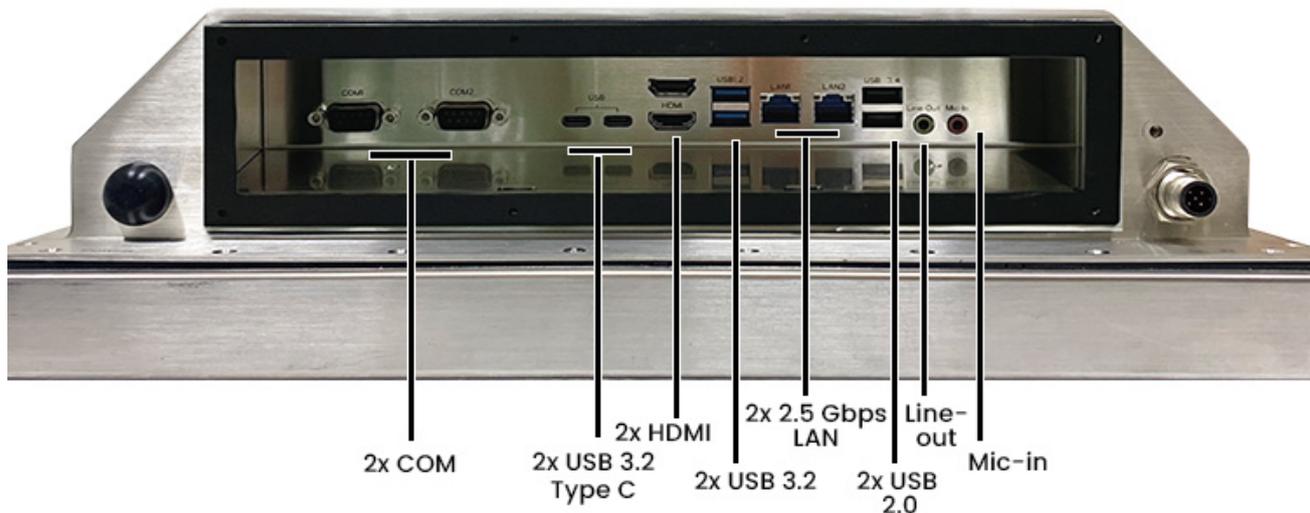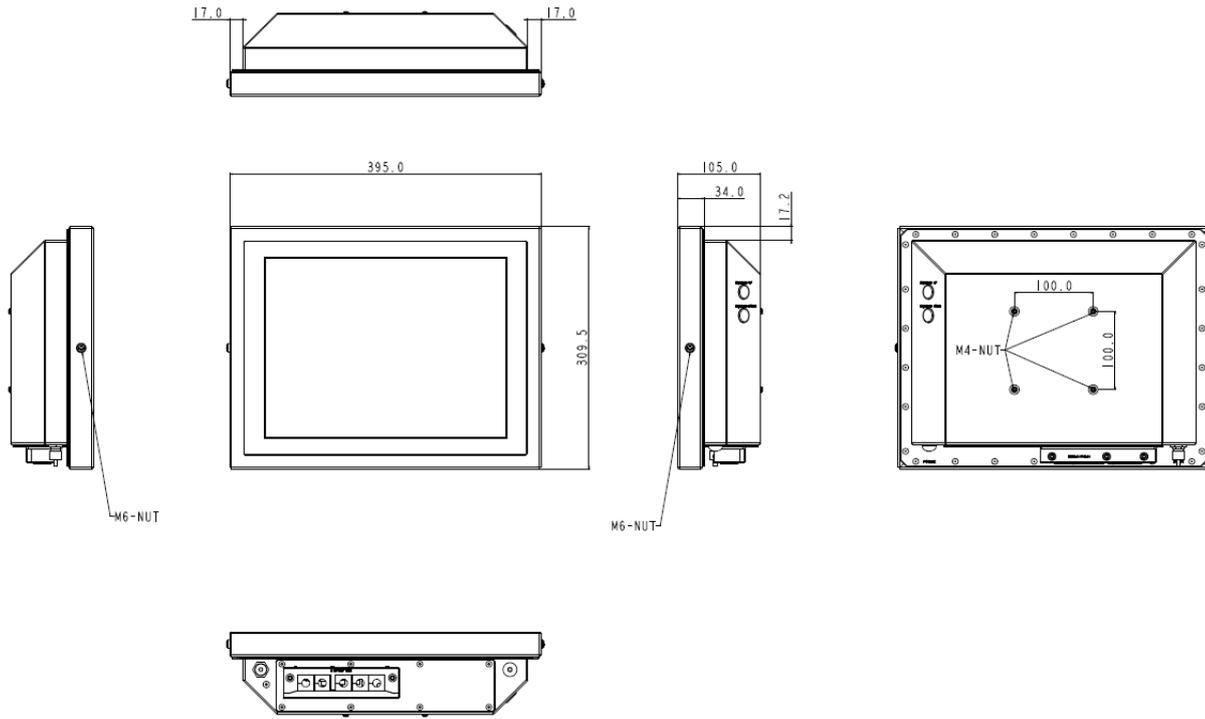
All specifications are subject to change without notice.