TEGUAR

Features

- 15" Waterproof Touchscreen
- Intel Apollo Lake J3455 Celeron CPU
- Highly Durable Stainless Steel Bezel
- Waterproof Connectors and Power Supply
- IP66 / IP69K and Optional IP67

Technical Specifications

Primary Components

Processor Family	Intel Celeron Apollo Lake
Processor Model	J3455 Quad Core
Processor Speed	1.5 GHz
Memory Type	1x DDR3L SO-DIMM
Memory Support	4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, M.2
Storage Support	32GB-1TB

Display

Screen Size	15"
Screen Ratio	4:3
Brightness	450 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	5 Wire Resistive, Projected Capacitive
Hardness	Resistive: 4H, P-cap: 7H

External I/O Ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x M12 8-pin for COM
Serial Protocol Detail	1x RS-232, 1x RS-232/422/485
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Power Input Port	M12 type 5-PIN DC-in

Power

Input Voltage Range	9-32V DC
Max Power Consumption	37W
Standard Power Adapter	AC 100~240V / 47 ~ 63Hz, IP68, 60W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
Linux	Linux (Contact your sales rep for more information)

Compatibility

Security Hardware	Optional TPM 2.0

Expansion Slots

Internal M.2	1x M.2 Type E

Multimedia

Speakers	Optional Speakers

Thermal & Environmental

Operating Temperature	0°C - 45°C (32°F – 113°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, NEMA 4X, 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), 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, 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
Bluetooth	Optional Bluetooth 4.0
Barcode Scanner	Optional 1D/2D Barcode Scanner

Weight / Dimensions

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

15.5

54.7

M6 NUT

309.5

57.9

31.0   17.2

53.2
67.2

Dimensions in mm

100.0

M4 NUT   100.0
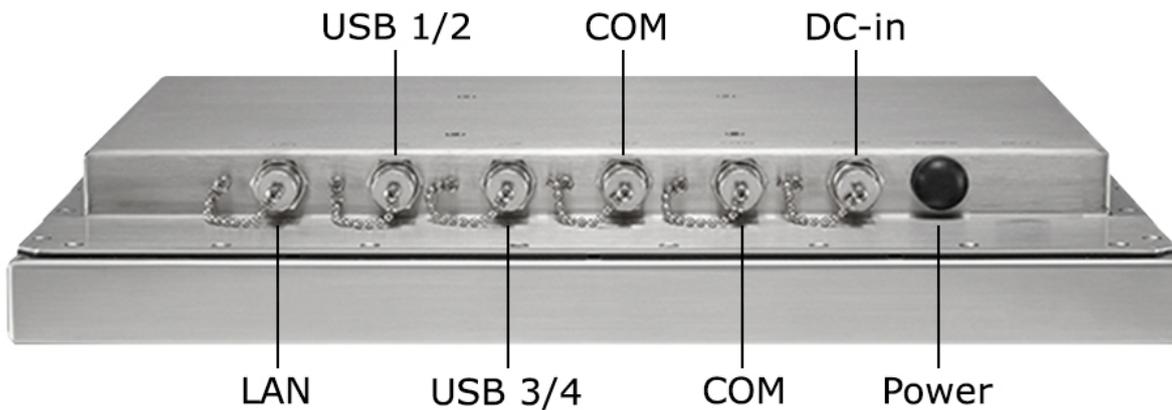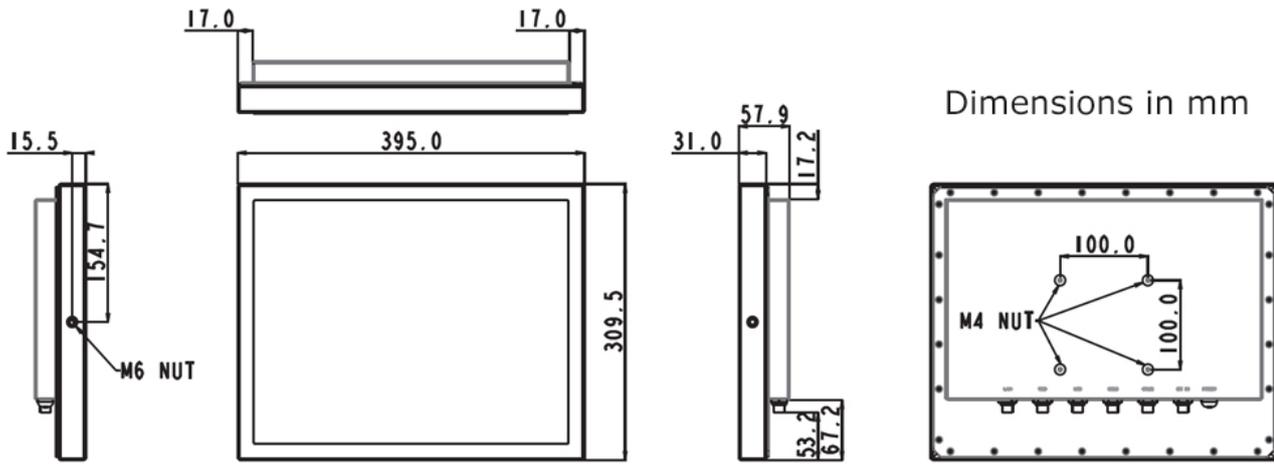
All specifications are subject to change without notice.