



## Features

- 19" TFT-LCD with 4:3 Screen Ratio
- Intel Apollo Lake Quad Core Processor
- Aluminum Housing & IP66 Front Bezel
- Optional Internal Backup Battery
- Optional High Bright & Optical Bonding

## Technical Specifications

### Primary Components

Processor Family	Intel Pentium Apollo Lake
Processor Model	N4200
Processor Speed	1.10 GHz
Memory Type	Onboard DDR3
Memory Support	4GB, 8GB
Storage type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage support	32GB-1TB

### Display

Screen Size	19"
Resolution	1280 x 1024 (SXGA)
Screen Ratio	4:3
Brightness	300 nits, Optional 1000 nit High Brightness
Contrast Ratio	1000:1
Viewing Angle	170° (H), 165° (V)

### Touch Screen

Touch Screen	Projected Capacitive, Resistive
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)

### Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
SD card	1x Micro SD Slot

### Thermal and Environmental

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

### Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Mounting Options	Panel Mount, VESA 100 Mount

**External I/O ports**

USB	2x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1), 1x RS-232 DB-9(COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Other Ports	1x 2-Pin DC Power Switch Connector
Audio	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

**Power**

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V AC/DC Adapter

**Battery**

Type	Optional Internal Battery
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**Operating Systems**

Windows	Windows 10 IoT, Windows 10 Pro
Linux	Linux

**Peripherals & Wireless Connectivity**

WiFi	Optional WiFi
BlueTooth	Optional Bluetooth 4.0
Mobile Network 4G LTE	Optional 4G

**Dimensions / Weight**

Weight	7.2 KG (15.9 lbs)
Dimensions	468 x 380 x 64.8 mm (18.4 x 15.0 x 2.6 in)

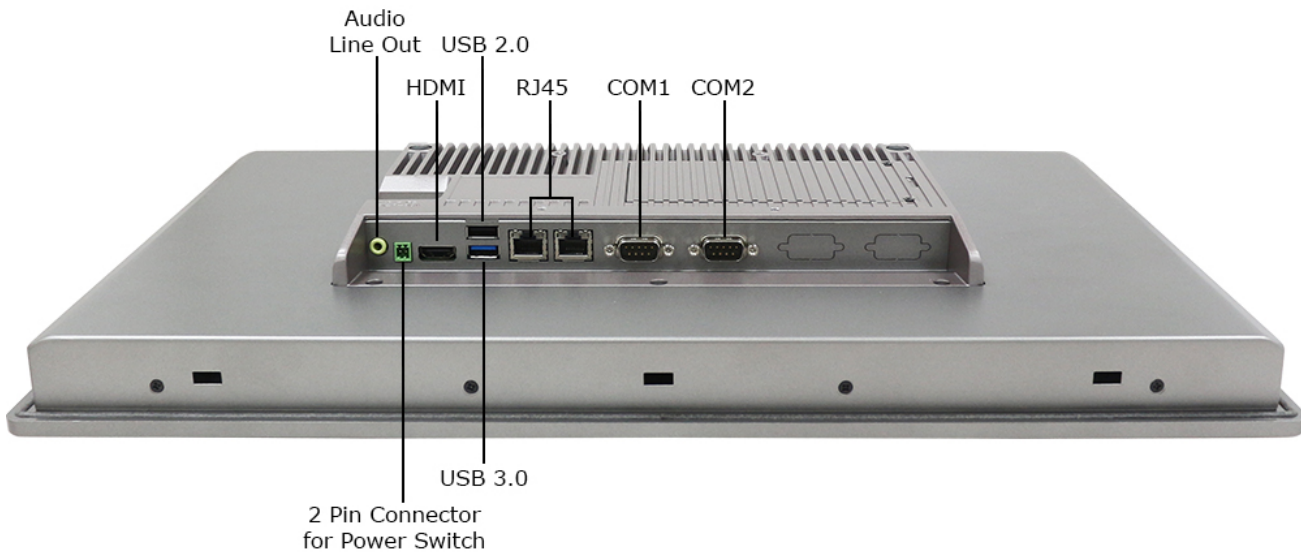
**Certification**

Certifications	CE, FCC Class A
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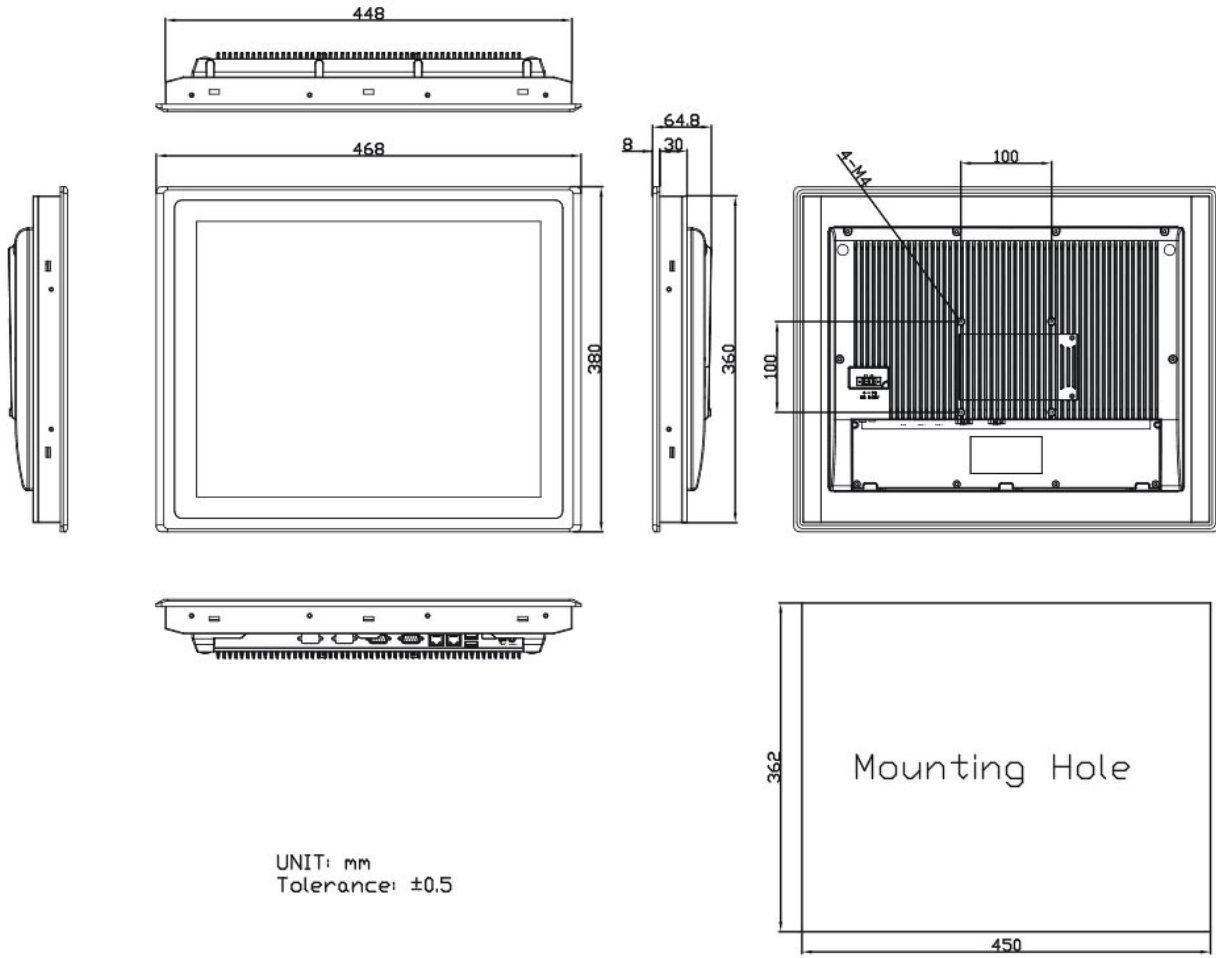
**Warranty**

Warranty	Up to 5 Years
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**Inputs / Outputs**



Technical Drawings



*All specifications are subject to change without notice.*