

# TP-3445-17

## 17" Panel Mount PC



### Key Highlights

- 17" TFT-LCD with 4:3 Screen Ratio
- Intel Apollo Lake N4200 Quad Core CPU
- IP66 Front Bezel & Aluminum Housing
- Optional High Bright & Optical Bonding
- Projected Capacitive or Resistive Touch

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The TP-3445-17 is a Fanless [Panel PC](#) with a Quad Core Apollo Lake CPU. This computer is housed in die-cast aluminum and has an IP66 rated waterproof front bezel. There are several ways you can configure the TP-3445-17 to fit your application. This computer supports an optional internal backup battery, Pcap or resistive touch, and a high bright LCD. You can also choose an expansion board to add options such as Mini-PCIe, SIM, USB and COM. The TP-3445-17 is built to last, even in harsh manufacturing environments, and Teguvar will support and sell this until at least 2030.

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# 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

## Power

**Input Voltage Range** 9-36V DC

**Standard Power Adapter** Optional 12V AC/DC Adapter

## Battery

**Battery Type** Optional Internal Battery

## Operating Systems

**Windows** Windows 10 IoT, Windows 10 Pro

**Linux** Linux (Contact your sales rep for more information)

## Expansion Slots

**SD card** 1x Micro SD Slot

## Enclosure

**Material** Aluminum

**IP Rating** IP66 Front Bezel

**Mounting Options** Panel Mount, VESA 100 Mount

## Weight / Dimensions

**Weight** 6.3 kg (13.9 lbs)

**Dimensions** 439 x 348 x 64.8 mm (17.3 x 13.7 x 2.6 in)

## Certification

**Certifications** CE, FCC Class A, UL 60950, UL 62368

*Specifications subject to change.*

## Display

**Screen Size** 17"

**Screen Resolution** 1280 x 1024 (SXGA)

**Screen Ratio** 4:3

**Brightness** 350 nits, Optional 1000 nit High Brightness

## Touch Screen

**Touch Screen** Projected Capacitive, Resistive

## 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 Ports** 1x Audio Line-Out

**Power Input Port** 3-Pin DC-In (Phoenix Type), Optional POE++, 45W with 2x USB 2.0

## Thermal & Environmental

**Operating Temperature** -20°C - 60°C (-4°F - 140°F)

**Storage Temperature** -30°C - 70°C (-22°F - 158°F)

**Cooling Solution** Passive - Fanless with Heatsink

**Humidity Range** 10% - 90% Non-condensing

## Peripherals & Wireless Connectivity

**WiFi** Optional WiFi

**Bluetooth** Optional Bluetooth 4.0

**Mobile Network 4G LTE** Optional 4G

## Warranty

**Warranty** Up to 5 Years

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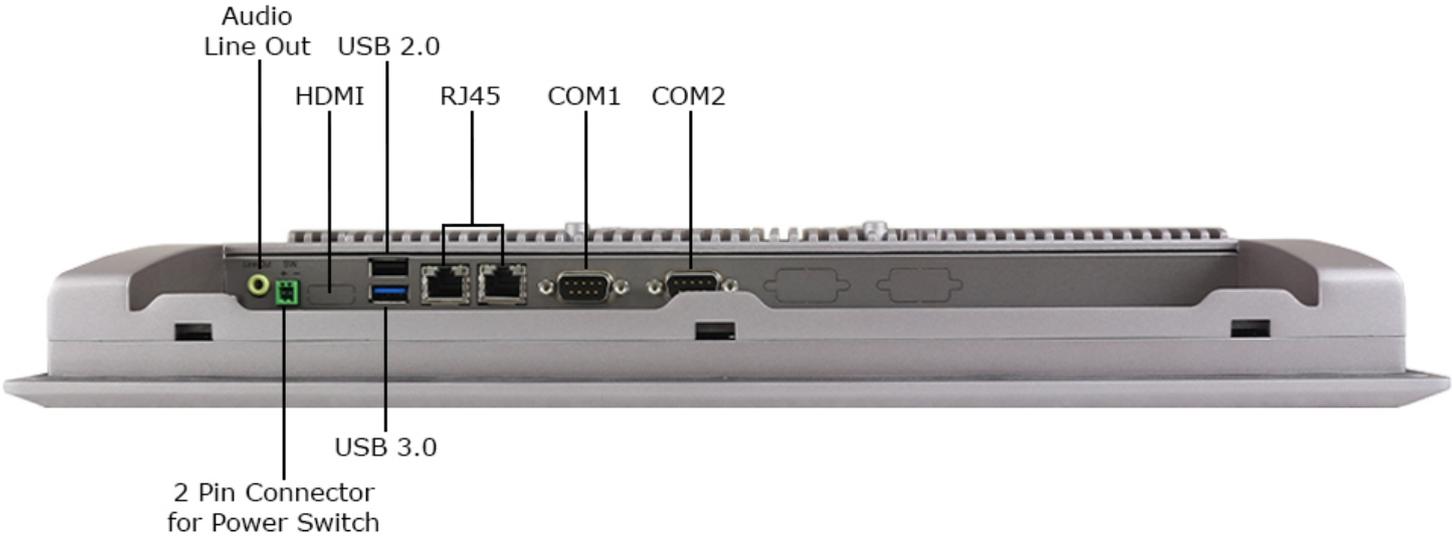
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# I/O Diagram Images



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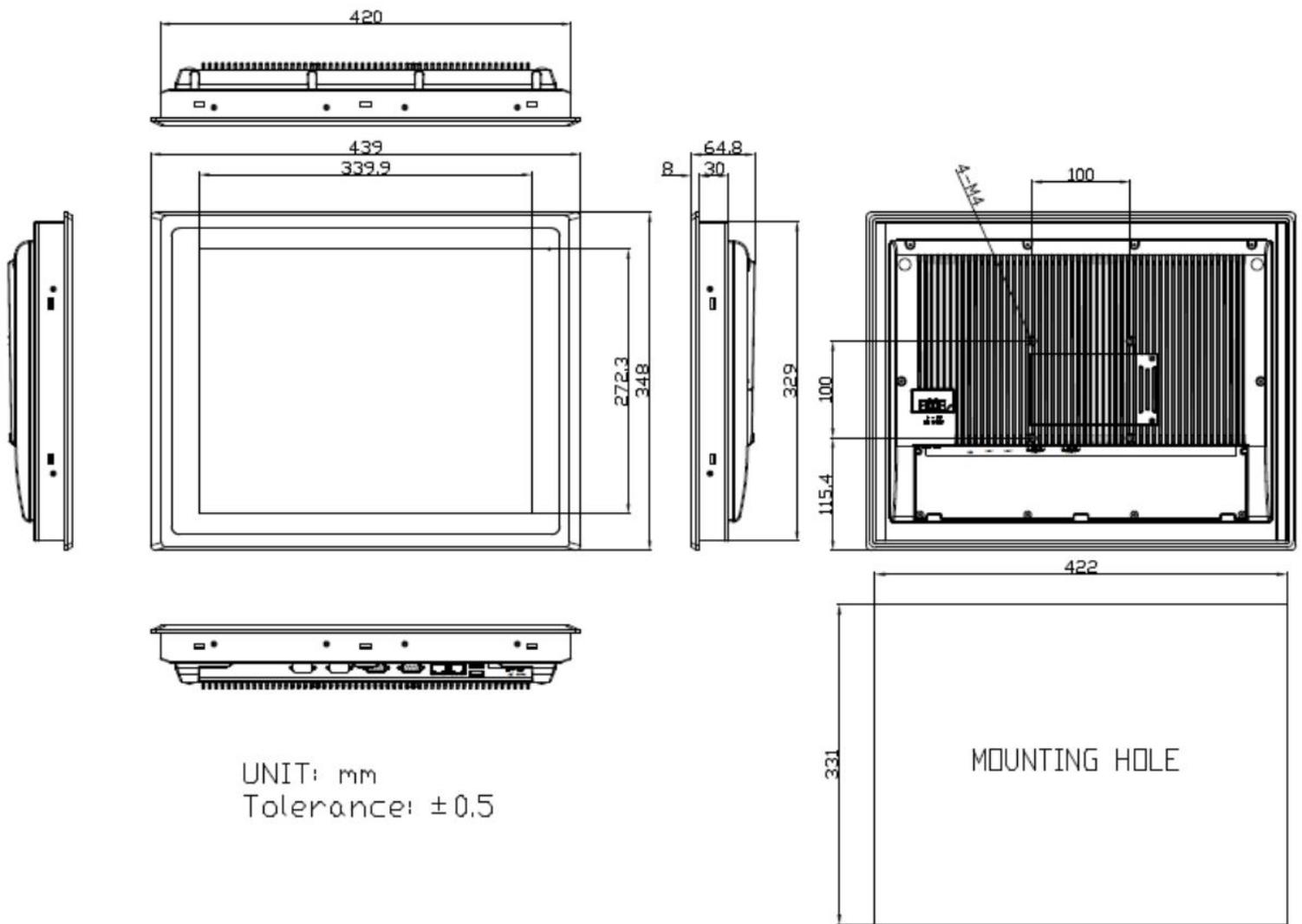
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# Tech Diagram Images



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