APPC 1060-A02

10.1” LCD 16:9 Flush Panel PC with Intel® Processor N97, Multi-Touch Screen, DDR5, 1 x COM, 2 x USB, 2 x USB-C





Main Features

- 16:9 10.1” WXGA fanless LED panel computer
- Intel® Processor N97
- 10 points P-Cap multi-touch with zero bezel flush front design
- 1 x DDR5 SO-DIMM socket
- Dual Intel® 2.5GbE LAN ports, 2 x USB 3.2, 1 x Line out
- 1 x RS-232/422/485 with auto flow control, 3 x M.2
- IP65 compliant front panel
- Mounting support: panel/wall/stand/VESA 75mm x 75mm
- DC power input 24V DC

Product Overview

The new 10.1-inch WXGA fanless panel PC APPC 1060-A02, featuring an industrial motherboard, is designed for versatile industrial applications. APPC 1060-A02 supports 1280 x 800 (WXGA) resolution and 500 cd/m2 brightness. It’s front panel, with a zero bezel flush front design, complies with the IP65 standard, making it well-suited for industrial environments.

APPC 1060-A02 includes dual 2.5 Gigabit Ethernet connectors, two of M.2 slots support multiple networks, including LAN, WLAN, Wi-Fi and WWAN (5G), as well as various storage options. Additionally, it features dual USB 3.2 Type-C ports, with one supporting DisplayPort Alt mode and USB Power Delivery (PD) for bidirectional power delivery . APPC 1060-A02 can also connects to a second display via HDMI. One adjustable RS-232/422/485 port is also available. APPC 1060-A02 is an ideal choice for general industrial equipment integration.

Specifications

Panel

- LCD size: 10.1”, 16:9
- Resolution: : WXGA 1280 x 800
- Luminance: 500cd/m²
- Contrast ratio: 1000:1
- LCD Color: 16.7M
- Viewing angle: 80 (U), 80 (D), 80 (L), 80 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 85%
- Anti-scratch surface: 7H hardness
- Touch interface: USB

Processor

- Intel® processor N97

Memory

- 1 x DDR5 SO-DIMM, non-ECC, up to 16GB

Storage

- 1 x M.2 Key B 2242 SSD (SATA 3.0)

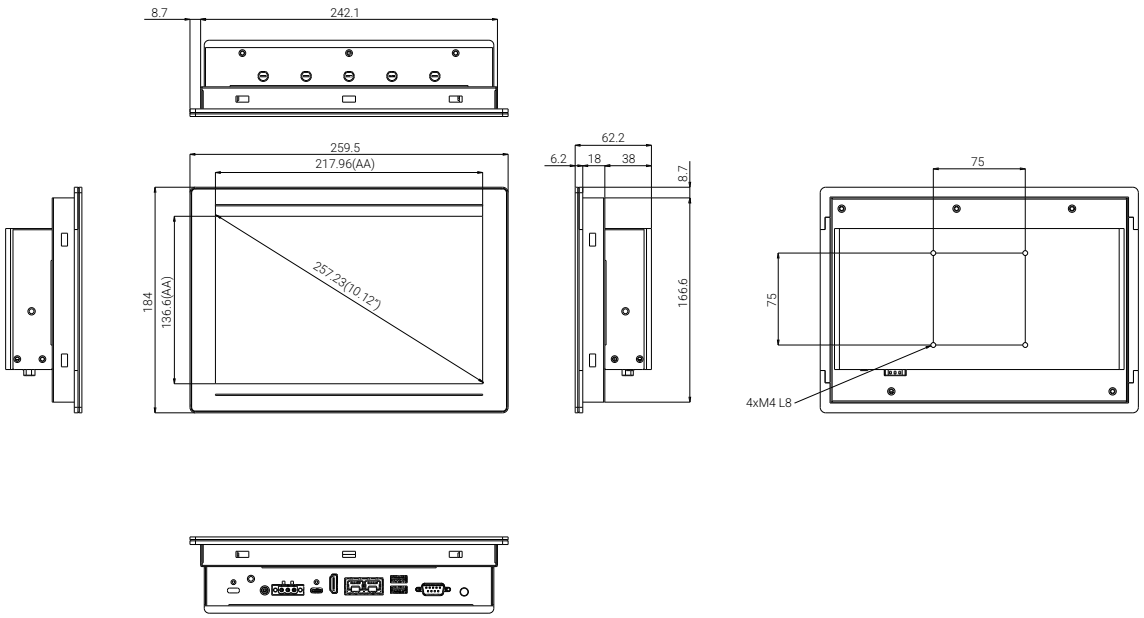
System Capabilities

- AMI BIOS
- TPM 2.0

I/O Interface Rear

- Power button
- 24V DC input with 3 pins terminal block
- 2 x USB 3.2, Type-A
- 1 x HDMI®, up to 4K@30Hz
- 1 x USB 3.2, Type-C (5V/900mA)
- 1 x USB 3.2, Type-C
  - Support Alt mode (DP1.4 HBR3) & PD,
  - Support PD power output: 5V/3A, 9V/3A, 15V/3A, and 20V/3A (depends on Terminal Block DC input)
  - 12V DC input: Support 40W output
  - 24V DC input: Support 60W output
  - PD Power input: 20V/3A
- 1 x COM port (DB9), supports RS-232/422/485 auto flow control
- 1 x Line out
- 2 x 2.5GbE RJ45 port, Intel® I226-IT
  - Support WoL and PXE
- 1 x Line out
  - HD audio codec: REALTEK ALC888S-VD

Dimension Drawing



I/O Interface Internal

- 1 x Key B M.2 2230/3042/3052 (PCIe x1, USB 3.2/ 2.0) for 5G/LTE
- 1 x Key B M.2 2242 for SATA SSD
- 1 x Key E M.2 2230/3052 for Wi-Fi
- 1 x microSD card slot
- 1 x nano-SIM card slot onboard

Mechanical

- Color: Pantone Black Silver
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 75mm x 75mm
- Dimension: 259.5mm x 184mm x 62.2mm
- Weight: 2.5kg

Power Supply

- DC 24V ± 20% input
  - AT and ATX (default) power mode
  - Optional AC to DC power adapter (24V DC, 60W)

Environment

- Vibration:
  - 2G@sine, 5~500Hz, 1hr/axis, IEC 60068-2-64
  - 2Grms@random condition, 5~500Hz, 0.5hr/axis, IEC 60068-2-64
- Shock:
  - 20G@wall mount, half sine, 11ms, IEC 60068-2-27
- Temperature:
  - Operating temperature: -10°C~60° (Ambient with air flow)
  - Storage temperature: -20°C~75°C
- Operating humidity: 10% ~90%, non-condensing,
  - limits to be at 90% RH at max 50°C

Certifications

- CE approval (EN 55032, EN 55035)
- FCC Class A

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Ordering Information

Barebone

- **APPC 1060-A02 (P/N:10IA0106000X0)**
  10.1" WXGA LED backlight touch panel PC, Intel® Processor N97, w/o DDR5, 1 x COM, 2 x USB, 2 x USB-C

Options

- **24V, 60W AC/DC power adapter w/o power cord (P/N:7400060054X00)**
- **24V, 120W AC/DC power adapter w/o power cord (P/N: 7400120029X00)**