APPC 1260T-A01

12" TFT XGA 4:3 Flush Panel PC with Intel® Processor N97,
Resistive Touch Screen, 8GB DDR5, 3 x COM, 2 x USB, 1 x USB-C

Main Features

- 4:3 12" XGA LED panel PC with 5-Wire resistive touch
- Intel® processor N97, Quad Core 2.0GHz, 6M Cache
- 1 x DDR5-4800MHz with 8GB installed by default
- Support multi- Display for DP; 1 x USB-C (DP Alt. Mode)
- Dual Intel® 2.5GbE LAN ports

- 2 x USB 3.2, 1 x Line out, 2 x RS232/422/485, 1 x RS232
- Support 1 x M.2 Key B 2242 (SATA) for storage
- IP65 compliant front panel
- Mounting support: panel/wall/stand/VESA (100mm x 100mm)
- DC power input 24VDC

Product Overview

The APPC 1260T-A01 12" XGA fan less panel PC, is powered by Intel® Alder Lake-N Series processor. The front panel of the APPC 1260-A01 complies with the IP65 standard that makes it an ideal solution for demanding industrial environments.

The APPC 1260T-A01 support dual 2.5GbE connectors enable ultra-fast data transfer rates and reliable network performance. The system equipped with DP and USB-C (DP Alt. Mode) for multiple display, a mini-PCIe and M.2 slots enable support Wi-Fi/ LTE/ 5G modules.

There is an M.2 Key B 2242 for storage and two adjustable RS-232/422/482 for various industrial equipment integrations. The APPC 1260T-A01 is perfect for integrating into general industrial equipment, offering reliable performance and extensive connectivity options.

Specifications

Panel
- LCD size: 12.1", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 500cd/m²
- Contrast ratio: 700:1
- LCD Color: 16.7M
- Viewing angle: 70(U), 70(D), 80(L), 80(R)
- Backlight: LED

Touch Screen
- 5-wire resistive (flush panel type)
- Light transmission: 80%
- Interface: USB

System
- CPU: Onboard Alder Lake N Intel® processor N97
- BIOS: AMI BIOS
- Support Intel® Platform Trust Technology (Intel® PTT)
- System memory: 1 x 262-pin DDR5 SO-DIMM socket
- Max.16GB (non-ECC); Pre-install 8G Industrial Grade memory as the manufacture configuration for shipment
- Storage device:
  - 1 x M.2 Key B 2242 (SATA)

Rear I/O
- Power button
- 1 x 2-pin remote power on/off Terminal Block
- 24V DC input with 3-pin Terminal Block
- 2 x USB 3.2 Type A
- Ethernet: 2 x RJ45
- 1 x DP1.4a (up to 4K@60Hz)
- 1 x USB 3.2 (Type C, support DP1.4a; up to 4K@60HZ)
- DB9 for COM1 & COM2
  - COM1: RS232/422/485 auto flow control
  - COM2: RS232/422/485 auto flow control
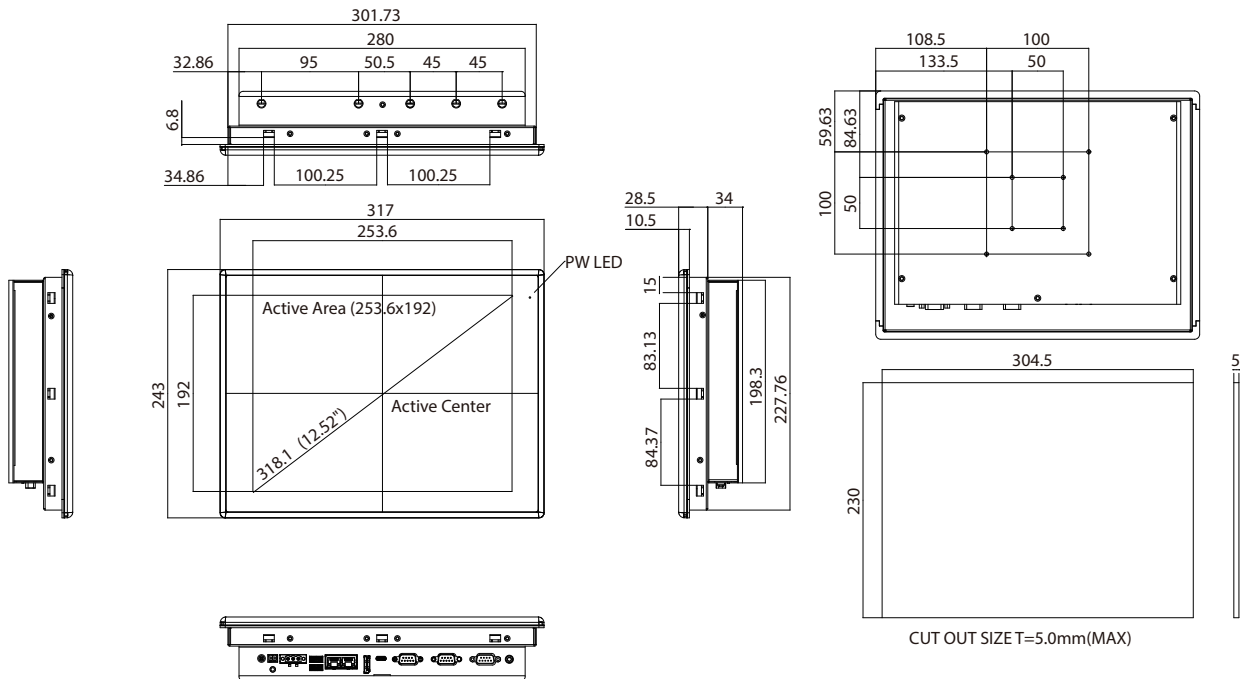- 1 x DB9 for RS232 support
- 1 x Line out

Audio
- HD audio codec: Realtek ALC888S-VD
- Audio interface: Line out

Ethernet
- LAN chip: dual Intel® I226-IT Gigabit LAN
- Ethernet interface: 10/100/1000/2500Base-T Ethernet compatible
- Support WoL and PXE

Dimension Drawing

CUT OUT SIZE T=5.0mm(MAX)

Internal Slot
- 1 x mini-PCIe (PCIe x1, USB 2.0, SIM) for Wi-Fi/ FBI/ LTE
- 1 x M.2 Key B 2242 (SATA) for storage
- 1 x M.2 Key B 3042/3052 (PCIe x1, USB 3.0, USB 2.0, SIM) for 5G/LTE
- 1 x Nano SIM card slot
- 1 x USB 2.0 Type A

- **Mechanical & Environment**
- Color pantone black\RAL 15 00 front bezel w/ pantone 400C\RAL 090 80 10 metal style membrane and black silver PC box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
  - Power input: 24V DC ± 20%
  - AT/ATX power mode (default: ATX power mode)
  - Power adapter: optional AC to DC power adapter (24V DC, 60W)
- Vibration:
  - 2G@sine, 5-500Hz, 1hr/axis (M.2 operating), IEC60068-2-64
  - 2G@random condition, 5-500Hz, 1hr/axis (Non-operating)
  - IEC60068-2-64
- Shock:
  - 20G@wall mount, half sine, 11ms, IEC60068-2-27s
- Temperature:
- Operating temperature: -10 °C to 55 °C (ambient with air flow)
  Storage temperature: -20°C to 75°C
- Operating humidity: 10% to 90%, non-condensing
  (limits to be at 90% RH at max 50°C)
- Dimension: 317x 243 x 62.5 mm
- Weight: 3.7kg

Certifications
- CE approval
- FCC Class A

OS Support Lists
- Windows 10 64-bit

Ordering Information

Barebone

- **APPC1260T-A01 (P/N: 10IA0126000X0)**
  12.1 XGA, 5W-R, N97, DDR5 8GB, 24V, 2 x USB 3.2, 2 x LAN, 1 x DP, 1 x USB-C, 3 x COM, 1 x Line out, w/o expansion

Options

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