

APPC 1560T

15" TFT XGA 4:3 Flush Panel PC
with Intel® Celeron® B810, 1.6GHz



Main Features

- 4:3 15" XGA fanless LED panel computer
- Powerful 2nd/3rd generation Intel® Core™ processor
- DDR3 4GB
- Flush panel by 5-wire touch screen
- Optional 3.5G/Wi-Fi module/2.5" HDD
- IP65 compliant front panel
- Support fieldbus module, JMobile HMI, Citect SCADA and CODESYS SoftLogic (optional)
- Optional: AC power input model/DC power input model

Product Overview

APPC 1560T is a 15" fanless industrial panel PC equipped with powerful 2nd/3rd generation Intel® Core™ processor, TFT LCD panel with LED backlight and user-friendly touch screen. The front panel which adopts flush design and complies with IP65 standard makes it the perfect fit in industrial applications. The APPC 1560T has two mini-PCIe slots and one SIM card holder to support WWAN/WLAN, PROFINET, PROFIBUS, DeviceNet, EtherNet/IP and EtherCAT protocols.

Specifications

Panel

- LED size: 15" 4:3
- Resolution: XGA 1024 x 768
- Luminance: 400cd/m²
- Contrast ratio: 700
- LCD color: 16.2M
- Viewing angle: 60 (U), 80 (D), 80 (L), 80 (R)
- Backlight: LED

Touch Screen

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

System

- CPU: support 2nd/3rd gen. Intel® Core™ processor family, rPGA 988
 - Intel® Core™ i7-3520M (2 x 2.9GHz, 4M cache, Max. TDP 35W)
 - Intel® Core™ i5-3610ME (2 x 2.7GHz, 3M cache, Max. TDP 35W)
 - Intel® Core™ i3-3120ME (2 x 2.4GHz, 3M cache, Max. TDP 35W)
 - Intel® Celeron® B810 (2 x 1.6GHz, 2M cache, Max. TDP 35W) (default)
 - Intel® Pentium® B950 (2 x 2.1GHz, 2M cache, Max. TDP 35W)
- BIOS: AMI BIOS
- System chipset: Intel® HM76 Express chipset
- System memory: 1 x 204-pin DDR3 SO-DIMM socket, 4G DDR3 (default), Support up to 8GB DDR3-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x Hard drive bay

- 1 x SATA DOM (optional)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module)

Rear I/O

For All

- 2 x PS2 keyboard/mouse
- 2nd display VGA port: 1 x DB15
- Ethernet: 2 x RJ45
- USB: 4 x USB 2.0
- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mic-in
- COM #3: RS232 w/ RI or 5V or 12V selection
- Reset button

For APPC 1560T-DC

- COM #1: RS232/422/485 w/ RI or 5V or 12V selection
- COM #2: RS232/422/485 w/ RI or 5V or 12V selection
- ATX Power switch

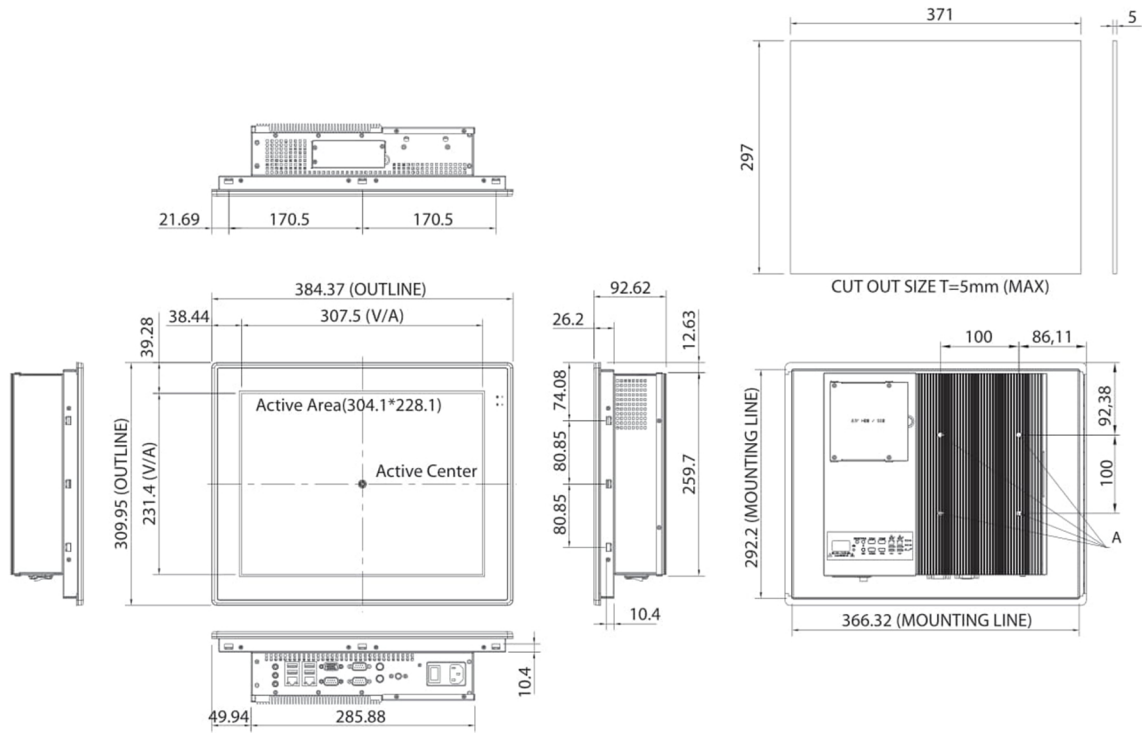
For APPC 1560T-AC (default)

- COM #1: RS232/422/485 w/ 2.5kv isolated protection
- COM #2: RS232/422/485 w/ 2.5kv isolated protection
- AC Power switch

Audio

- AC97 codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Dimension Drawing



Ethernet

- LAN chip: dual Intel® 82574L Gigabit LAN
- Ethernet interface: 10/100/1000 Base-TX Ethernet compatible

Fieldbus

- Support one special Fieldbus module kit

Mechanical & Environment

- Color: Pantone black \ RAL 15 00 front bezel
- Enclosure: plastic front bezel
- IP protection: IP65 front
- Mounting: panel mounting
- Power

For APPC 1560T-DC

- Power input: 12-30 V dc, 7-2.5 A, Class 2
- Power adapter: optional AC to DC DIN rail power adapter (+24V, 120W)

For APPC 1560T-AC

- Power input: 100-240V~, 1.5A, 50-60Hz; fuse: 250VAC/3A
- Power connector: AC inlet (IEC60320 C14)
- Power supply: 120W
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)

Shock:

- IEC 68 2-27
- HDD: 20G @ wall mount, half sine, 11ms
- Operating temperature: -10°C to 50°C
 - * Intel® Core™ i7 / Intel® Celeron® B810 / Intel® Pentium® B950: -10°C to 40°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Limits to be at 90% RH at max 50°C
- Dimension: 384.37 x 309.95 x 92.62 mm
- Weight:
 - AC: 7.7Kg
 - DC: 7.1Kg

Certifications

- CE
- FCC Class A
- AC: LVD 60950-1

Ordering Information

System

- **APPC 1560T-ET (P/N: 10IA1560T00X2)**
15" XGA LED backlight fanless touch panel PC, Intel® Celeron® B810 1.6GHz, touch screen, 4GB DDR3, 3 x COMs, AC power input