

eTOP-IPC1560T



eTOP-IPC1560TP2E-DC



eTOP-IPC1560TP2E-AC



eTOP-IPC1560TE

Main Features

- 4:3 15" XGA Fanless Panel Computer
- Powerful 2nd/3rd generation Intel® Core™ processor
- Two expansion slots for add-on PCI or/and PCIe cards
- Optional 3.5G/Wi-Fi module/2.5" HDD/3 x Coms/GPIO/DIO/Dimming Control Button
- Front accessible USB2.0 for easy of field maintenance

- Metal housing with robust aluminum front bezel for harsh environment
- IP65 compliant front panel
- Support fieldbus module, JMobile HMI, Citect SCADA and CODESYS SoftLogic (optional)
- Optional: wide range DC power input model/isolation protection DC power input model

Product Overview

eTOP-IPC1560T is a heavy industrial panel PC equipped with powerful 2nd/3rd generation Intel® Core™ processor, TFT LCD panel with LED backlight and user-friendly touch screen. It provides two expansion slots to support PROFINET, PROFIBUS, DeviceNet, EtherNet/IP and EtherCAT protocols. The NEMA4/IP66 rated heavy-duty aluminum front bezel and the vibration-resistant rugged chassis are specifically designed for outdoor and harsh industrial environments. eTOP-IPC1560T is ideal for use in oil and gas rig, wind farms, chemical factories, pharmaceutical factories, and hazardous working area.

Specifications

System

- CPU: Support 2nd/3rd gen. Intel® Core™ processor family, rPGA 988
 - Intel® Core™ i7-3520ME (2 x 2.9GHz, 4M cache, Max. TDP 35W)
 - Intel® Core™ i5-3610ME (2 x 2.7GHz, 3M cache, Max. TDP 35W) (Default)
 - 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)
 - 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
 - 2 x hard drive bay: optional 2 x 2.5" SATA HDD
- 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)
 - 2 x expansion slots for add-on PCI or/and PCIe cards
 - 1 x PCI and 1 x PCIe4 slots (Default)
 - 2 x PCIe4 slots
 - 2 x PCI slots
- Panel backlight control button: increase brightness/decrease brightness/backlight on/off (for IPPC 1560TP2E-AC only)

Rear I/O

For All

- 2 x PS2 keyboard/mouse
- 2nd display VGA port: 1 x DB15
- Ethernet: 2 x RJ45

For eTOP-IPC1560TP2E-DC only

- USB: 5 x USB2.0 (1 in front)
- Audio port: 1 x Line-out; 1 x Line-in; 1 x MIC-in
- COM #1: RS232/422/485 w/ RI or 5V or 12V selection
- COM #2: RS232/422/485 w/ RI or 5V or 12V selection
- COM #3: RS232 w/ RI or 5V or 12V selection
- ATX power switch
- Reset button

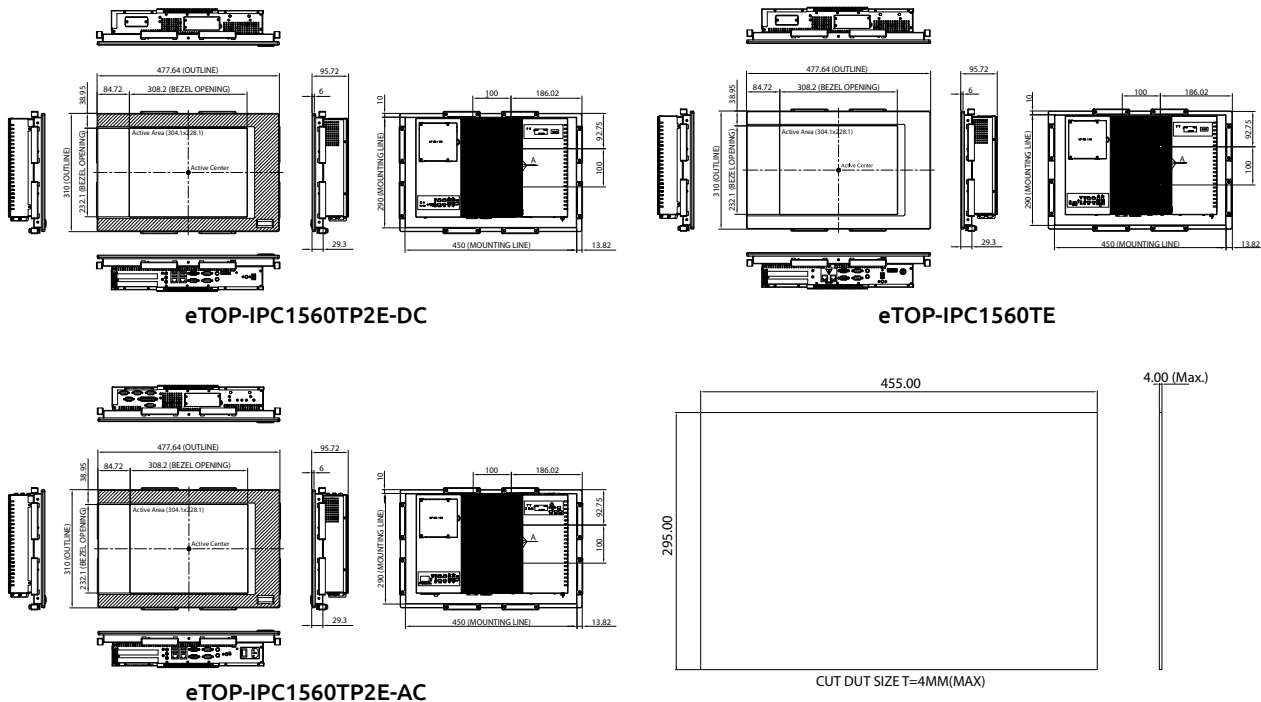
For eTOP-IPC1560TP2E-AC only

- USB: 5 x USB2.0 (1 in front)
- Audio port: 1 x Line-out; 1 x Line-in; 1 x MIC-in
- COM #1: RS232/422/485 w/ 2.5kv isolated protection
- COM #2: RS232/422/485 w/ 2.5kv isolated protection
- COM #3: RS232 w/ RI or 5V or 12V selection
- COM #4: RS232 w/ RI or 5V or 12V selection
- COM #5: RS232
- COM #6: RS232
- DIO w/ 2.5kv isolated protection:
 - 4 x Digital Input (Source type)
 - 4 x Digital Output (Sink type)
- GPIO: 4 x digital in/4 x digital out
- LPT: Parallel port
- AC Power switch
- Reset button

For eTOP-IPC1560TE only

- USB: 4 x USB2.0 (Hidden)

Dimension Drawing



- COM #1: RS232/422/485 w/ 2.5kv isolated protection
- COM #2: RS232/422/485 w/ 2.5kv isolated protection
- COM #3: RS232 w/ RI or 5V or 12V selection
- ATX Power switch
- Reset button

Audio

- AC97 codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/MIC-in audio Jack

Ethernet

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

Fieldbus

- eTOP-IPC1560TP2E-DC/eTOP-IPC1560TE: support up to two fieldbus module (1 universal kit and 1 special kit)
- eTOP-IPC1560TP2E-AC: support one special fieldbus module kit

Mechanical & Environment

- Color: pantone 432C\RAL 70 24 front bezel
- Enclosure: aluminum front bezel with SPCC nickel plated housing
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power

For eTOP-IPC1560TP2E-DC

- Power Input: +9 to 30VDC
- Power Adapter: optional AC to DC DIN rail power adapter (+24V, 120W)

For eTOP-IPC1560TP2E-AC

- Power input: 100-240V~, 1.5A, 50-60Hz; fuse: 250VAC/3A
- Power connector: AC inlet (IEC60320 C14)
- Power supply: 120W

For eTOP-IPC1560TE

- Power input: +24V DC+20% with 1.5kv isolated protection
- Fuse: 250V/10A

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

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC Class A

Ordering Information

System

- **eTOP-IPC1560TP2E-DC (P/N: 72IPC1560TPDC)**
15" XGA LED backlight fanless touch panel PC, Intel® Core™ i5-3610ME 2.7GHz, touch screen, 4GB DDR3, 3 x COMs, DC power input
- **eTOP-IPC1560TP2E-AC (P/N: 72IPC1560TPAC)**
15" XGA LED backlight fanless Touch panel PC, Intel® Core™ i5-3610ME 2.7GHz, touch screen, 4GB DDR3, 6 x COMs, 4 x 4GPIO, 4 x 4DIO with isolated protection, AC power input
- **eTOP-IPC1560TE (P/N: 72IPC1560TE)**
15" XGA LED backlight fanless touch panel PC, Intel® Core™ i5-3610ME 2.7GHz, touch screen, 4GB DDR3, 3 x COMs, isolated protection DC Power