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Single Board Computer

Industrial PC

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Features

- 19” TFT LED Backlight LCD
- 4th Generation Intel Core i7/i5/i3 Panel PC
- Intel Q87
- 2 x DDR3 1066/1333/1600MHz SO-DIMM, up to 16GB System Memory
- Fanless Design
- Support 1 x PCIe x16
- Wide range DC 11~32V Power Input
- IP65 Compliant Front Panel

Specifications

System

Processor	Socket LGA 1150, 4th Gen. Intel Core i7/i5/i3 Intel Core i7-4770TE 2.3G 8M(TDP: 45W) Intel Core i5-4570TE 2.7G 4M(TDP: 35W) Intel Core i3-4330TE 2.4G 4M(TDP: 35W)
System Chipset	Intel Q87
System Memory	2 x 204-pin DDR3 SO-DIMM, up to 16GB 1066/1333/1600MHz

External I/O

USB	4 x USB 3.0 Type A 2 x USB 2.0 Type A by cable (option)
Serial/Parallel	3 x RS-232/422/485 DB-9, COM1, COM2, and COM3, Default RS-232
Audio	1 x Mic-in, Line-out
LAN	2 x GbE RJ-45
VGA	1 x VGA
Power	1 x DC Power 3-pin Terminal Block Connector 1 x Rocker Switch for Power on/off
Others	2 x LED Indication for Power and HDD 1 x 8-pin Terminal Block 3 in/3 out/VCC/GND (option) 1 x CF Slot (option)

Expansion

Expansion Slot	1 x PCIe x16 slot 1 x mSATA or 1 x Mini-PCIe slot for WIFI/BT/3G/GPS (option)

Storage Space

Storage	2 x 2.5” SATA HDD Space, Easy Accessible, RAID 0.1

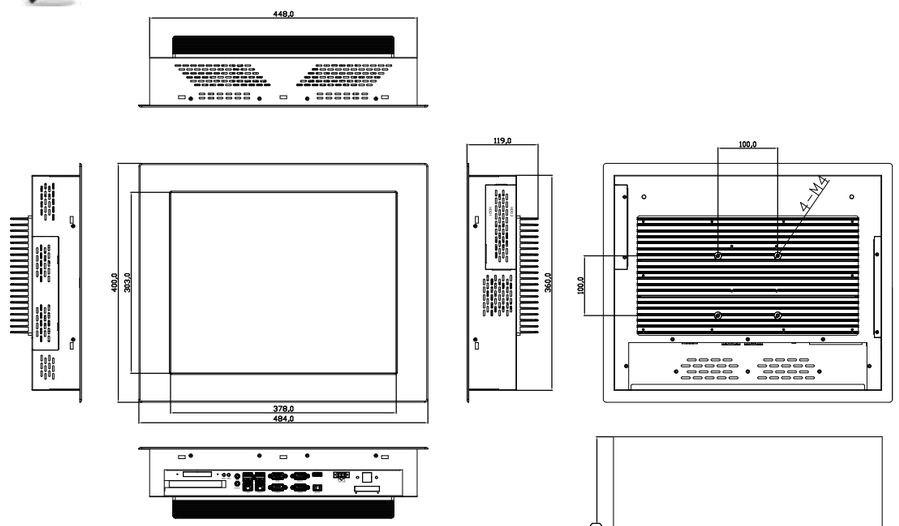
LCD

Display Type	19” color TFT LCD
Max. Resolution	1280 x 1024
Max. Color	16.7M
Contrast Ratio	1000:1
Luminance (cd/m^2)	350
View Angle	170 (H) / 160 (V)
Backlight Lifetime	50,000 hrs

Touch Screen

Type	Resistive Touch Screen/Projective Capacitive Touch Screen
Interface	USB
Light transmission (%)	Over 80%(Resistive) Over 90%(Projected Capacitive)

Dimensions



UNIT: mm
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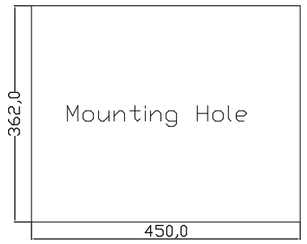

Power

Power input	11~32V DC
Power Consumption	MAX: 51.2W

Mechanical

Front Bezel	Steel Black or Aluminum with Resistive Touch Aluminum with Projected Capacitive Touch (only Flat Bezel Designed)
Rear Bezel	Steel Black
Mounting	Panel mount/VESA Mount 100 x 100
IP Rating	IP65 Compliant Front Panel
Dimension	484 x 400 x 119 mm
Net Weight	12.9Kg

Environmental

Operating temperature(°C)	0~50°C
Storage temperature(°C)	-30~70°C
Storage humidity	10 to 90% @ 40°C, non- condensing
Certificate	CE / FCC Class A

Operating System Support

Windows 7 Professional for Embedded Systems
Windows 7 Ultimate for Embedded Systems
Windows Embedded 8.1 Pro
Windows Embedded 8.1 Industry Pro

Ordering information

APC-3919AT (Barebone)	19" SXGA Intel Core i processor comes with Intel Q87 chipset, fanless design panel PC, (w/o CPU/RAM/HDD), 1 x PCIe x16 slot, resistive touch, 11~32VDC power input with adaptor, black steel enclosure.
APC-3919AT-01	19" SXGA Intel 4th Core i5-4570TE 2.70G processor comes with Intel Q87 chipset, fanless design panel PC, 4GB DDR3 memory, 320GB SATA 2 HDD, 1 x PCIe x16 slot, resistive touch, 11~32VDC power input with adaptor, black steel enclosure.

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