

IPC...117T

Industrial PC with touch screen – operator panel



Summary

A PC-based unit with aluminium front panel, touch screen. Serial ports, 2x USB, 2x Ethernet. Construction with passive cooling, with no moving parts.

Application

- **User interface (HMI) in building control systems**

Function

PC with touch screen serves as a control panel in an industrial environment. It can be used for running custom applications. For this hardware Windows Embedded operating systems can be ordered separately (see table below). On a PC with Windows Embedded can be installed RcWare SoftPLC Runtime application management. Runtime license to be ordered separately.

To control the touch screen is used, the data is accessed over an Ethernet network. Thanks to the silent operation (passive cooling) and convenient operation of the unit is also suitable for residential buildings. Solid metal body from extruded aluminum guarantees robustness and transfer heat dissipation.

The unit is mounted in a distribution board door, so front panel is only visible part. Ensure that sufficient air circulation.

See domat - *Design and application guide* for connection and application examples.

Technical data

Type	IPC 07 117T	IPC 08 117T	IPC 12 117T	IPC 15 117T
System				
Processor	Intel Atom Cedar View N2600 1.6GHz Dual Core Processors			
Chipset	Intel NM10			
System Memory	Onboard DDR3 2GB 800 MHz			

I/O ports

USB	2 x USB 2.0 type A, USB4/5
Serial	1 x RS-232/422/485 DB-9, COM1, Default RS-232 1 x RS-232 DB-9, COM2
Audio	1 x Line out phone jack
LAN	2 x GbE RJ-45
Power	3 pins terminal block connector, DC Power input
Option	2 x RS-232 DB-9 + 1 x Mini-PCIe slot via TB-528C2ME1 2 x CAN bus via TB-528CAN2 2 x USB 2.0 type A via TB-528U2 2 x USB 2.0 type A + 1 x Mini-PCIe slot + 1 x RS-232 DB-9 + 1 x Power button via TB-528C1U2P1

Storage Space

Slot on HDD	1 x 1.8" SATA 2 half size	1 x 2.5" SATA 2
	HDD is not included in the basic supply	
SD card slot	1 x Internal SD slot (SD card not included in the basic supply)	

Expansion

Expansion Slot	1 x Internal Mini-PCIe half size
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Display

Display Type	7" TFT-LCD	8" TFT-LCD	12.1" TFT-LCD	15" TFT-LCD
Max. Resolution	800x480	800x600	800x600	1024x768
Max. Color	262K	16.2 M	16.2M	16.2M
Luminance (cd/m ²)	350	350	450	350
Viewing Angle (Degree)	H: 140° / V: 110°	H: 140° / V: 125°	H:160° / V:140°	H:160° / V:145°

Touch screen

Type	Projected Capacitive Touch
Interface	RS-232 / USB
Light Transmission(%)	90%

Power

Power Input	9~36V DC			
Power Consumption	Max:13.0W	Max:15.2W	Max:18W	Max:19.2W

Mechanical

Construction	aluminum front bezel and chassis			
IP Rating	IP65 front panel			
Mounting	Panel mounting, VESA 75 x 75		Panel mounting, VESA 100 x 100	
Dimensions (WxHxD)	202mm x 149mm x 39mm	231.1mm x 176.1mm x 50mm	319mm x 245mm x 51.7mm	410mm x 310mm x 54.7mm
Net Weight (Kgs)	1.2	1.8	2.5	4..4

Environmental

Operating Temperature	0~50°C
Storage Temperature	-20~60°C
Storage Humidity	10 to 90%@ 40°C, non-condensing
Certificate	CE / FCC Class A / UL

Operating System Support

- Windows XP pro
- Windows XP Embedded
- Windows Embedded CE6.0
- Windows 7 32-bit pro for Embedded
- Windows Embedded standard 7 32-bit
- (Win 7 32-bit support 3D Graphic function)

The operating system must be ordered separately. The operating system is supplied on an SD card 8 GB (WIN XP) or 16GB (WIN 7+).

Ordering Information

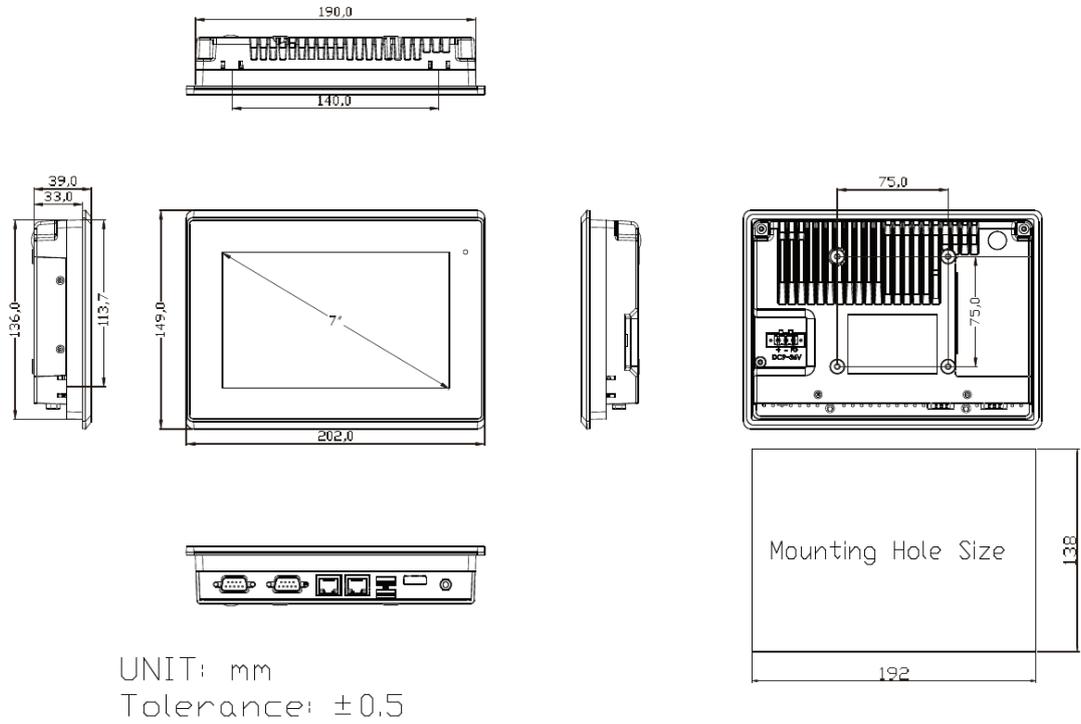
In order please specify:

	type PC	SATA HDD/SSD disk	Optional I/O ports	operating system	Runtime RCware SoftPLC
default	IPC 07 117T	-	-	-	-
default	IPC 08 117T	-	-	-	-
default	IPC 12 117T	-	-	-	-
default	IPC 15 117T	-	-	-	-

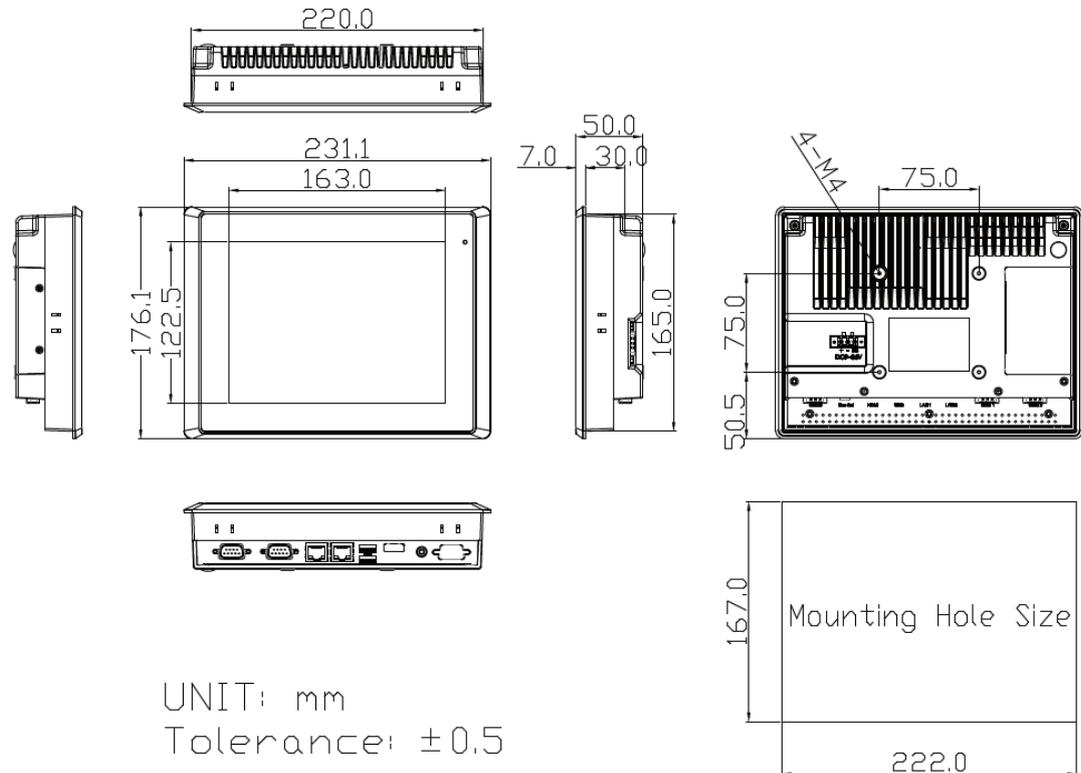
Example of (non standard) order:

IPC 15 118T, 40GB SSD SATA, 2x RS-232 DB-9, WinE, RC-SoftPLC Runtime

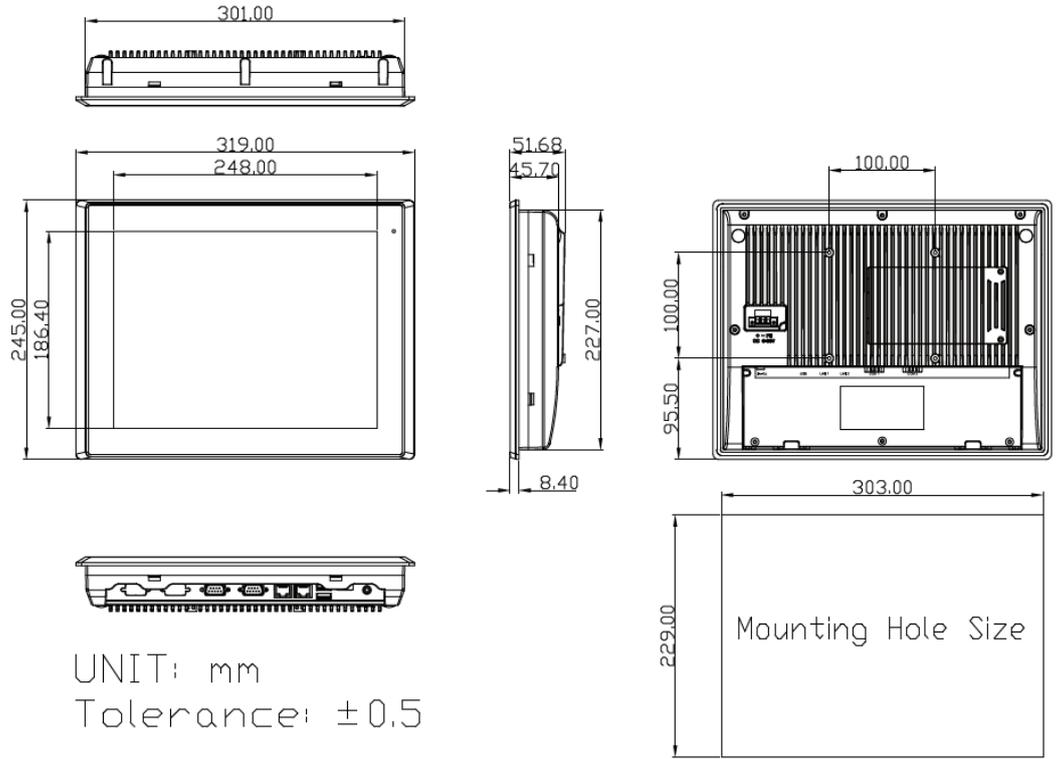
Dimensions IPC 07 117T



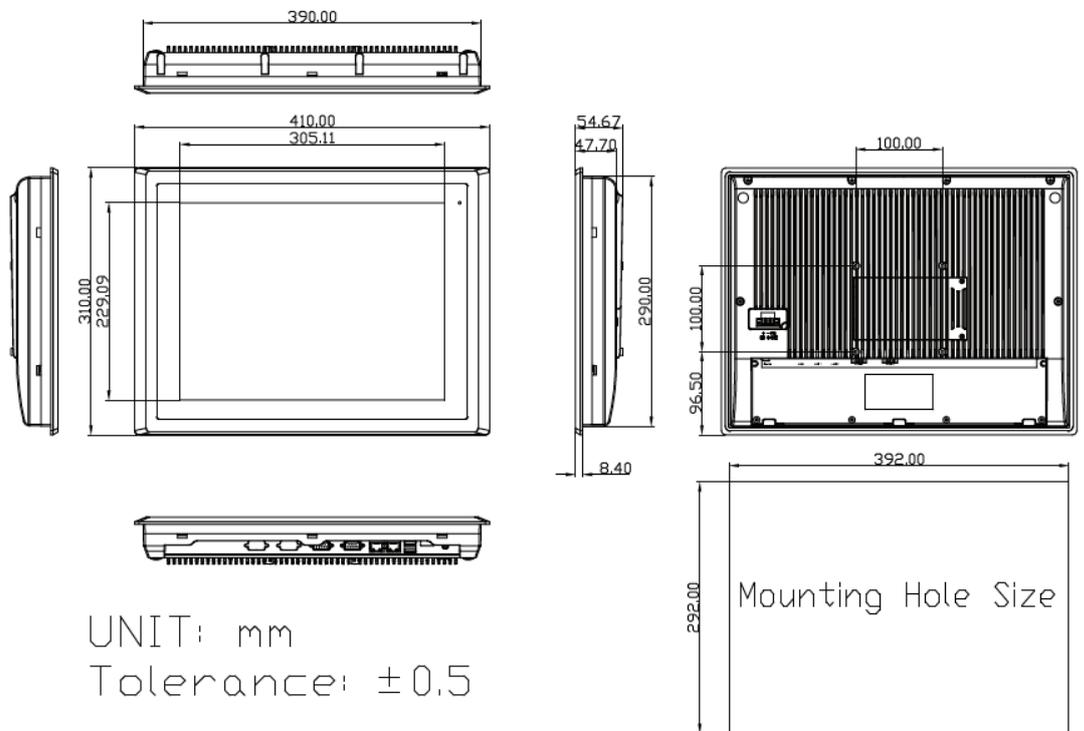
IPC 08 117T



IPC 12 117T



IPC 015 117T



RoHS notice The device contains a non-rechargeable battery which backups the real-time clock and part of the memory. After the device is not operable, please return it to the manufacturer or dispose of it in compliance with local regulations.

**Changes in
versions**

11/2016 – Changes format and added information.