

KPC Series

STANDARD TOUCH PANEL PC

Suitable for applications such as automation, monitoring, control & data processing in various fields

Model: KPC1040AT

Fanless 10.4" high resolution industrial panel PC with 5 wires resistive touch screen(Intel Atom D2550 1.86Ghz 3.5" mainboard + standard panel PC with aluminum front bezel(silver) + 12V DC in external power adapter + 2 x RS 232 + 2 x USB + 2 x GLAN + 1 x VGA + 1 x Mini PCIe slot + VESA mounting 75 x 75mm + Resolution: 1024 x 768dpi)



Dissipation Design Fanless, (No) external heat sink



Waterproof Design IP65 front bezel, Waterproof gasket (optional)



Housing Design Aluminum front bezel + metal chassis



CPU Performance



Energy Efficiency



Touch Function

Features:

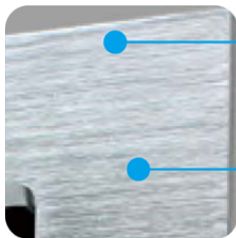
- A wide range of CPU solutions from entry to professional level
- IP65 compliant aluminum front bezel
- 5-wire resistive touch screen
- A variety of I/O ports and expansion slots for more applications



PC-based automation systems have been widely used in many industries to help manufacturers realize electronic standard operating procedures to minimize cost / engineering effort and to enhance productivity. Some considerations should be taken into account when deploying an automation system, such as computing performance, power efficiency, budget, scalability, compatibility to the existing system and something alike.

With the following features, iTechLCD's KPC Series is a standard touch panel PC which can satisfy general applications such as automation, monitoring, control & data processing in various fields.

- A wide range of selectable CPU solution from entry to professional level to meet any computing performance requirement and budgetary target
- A wide array of panel size selection from 8.4" to 21.5" with both 3:4 and 16:9 aspect ratios for larger sizes for easy deployment on your systems
- A variety of I/O ports and expansion slots for more possibility of advanced applications
- IP65 compliant aluminum / stainless steel front bezel and the optional waterproof gasket design to provide basic waterproof protection against water spray from the front side



IP65 compliant aluminum / stainless steel front bezel

to provide basic waterproof protection against water spary from the front side

Hairy brushed finish

to deliver an aesthetic appearance



Waterproof gasket design (optional)

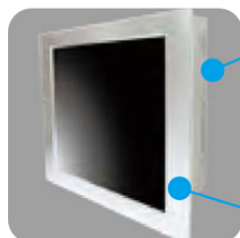
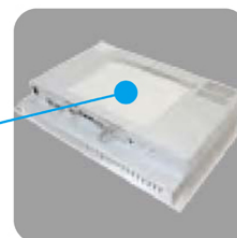
to strengthen basic waterproof protection against water permeation through the seam between bezel and mount wall / object



No external heat sink

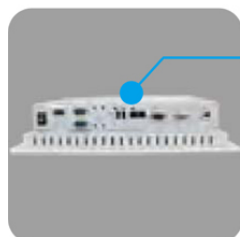
External heat sink

to faster dissipate the heat to keep excellent CPU performance

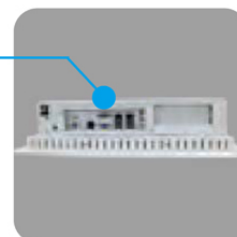


Metal chassis

Aluminum / stainless steel front bezel



I/O ports located in the back bottom side
(left) for those using 3.5" SBC
(right) for those using Mini-ITX



RFID sensor (optional)

*to enable RFID technology application, such as logistics, warehousing, distribution or industrial automation
(identification of workpiece carriers on assembly lines, material flow control, identification of containers and other receptacles)*

Specifications:

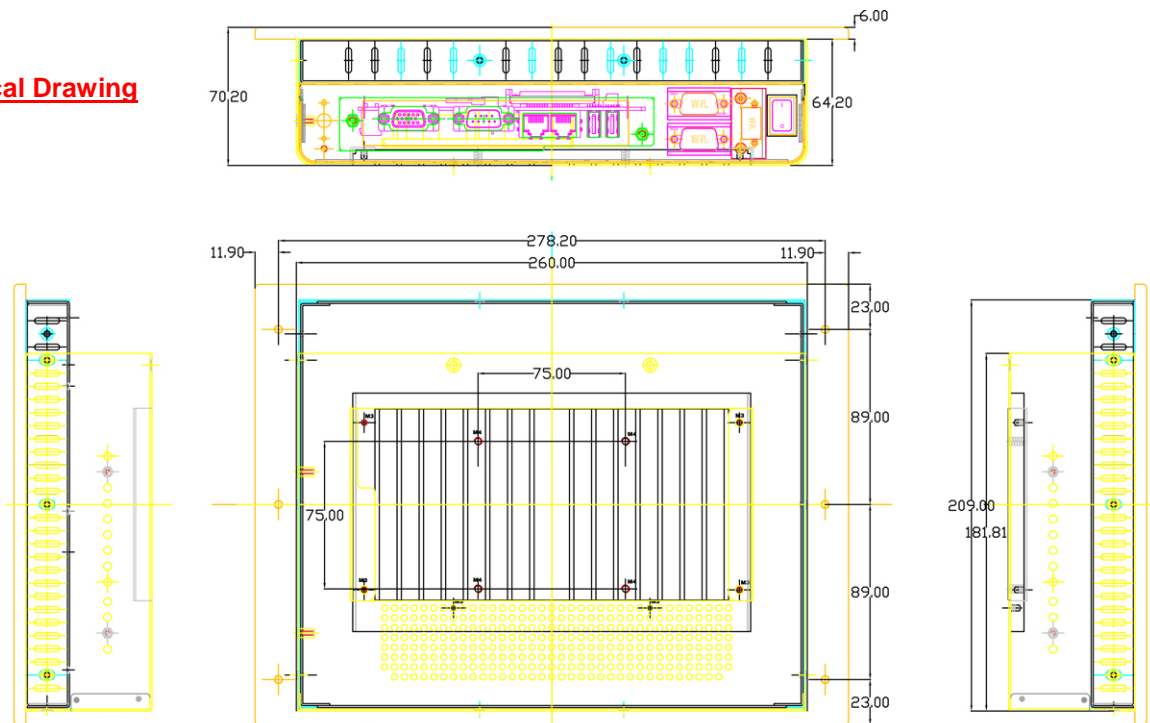
PC Specifications

CPU	Intel Atom D2550 1.86Ghz Processor
Memory	2 x 204-pin SODIMM Dual-channel DDR3L 1333 / 1066MHz up to 8 GB
Power Supply	DC in 12V external power adaptor
I/O Ports (Default)	1 x RS232, 1 x GLAN, 4 x USB, 1 x VGA, 1 x Line-out, 1 x Mic-in, 1 x SATA socket
I/O Ports (Optional)	Extra 2 x RS232, Extra 2 x USB
Expansion	1 x PCIe slot, 1 x Mini PCIe slot (w/ mSATA function)
Operation Temperature	0°C ~ 45°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	10% ~ 90% non-condensing
OS Support	Win 7 Pro, Embedded 7, Win 8 Pro, Embedded 8
Installation	Clip mount, Panel mount & VESA mount 75 x 75 mm (12.1") / 100 x 100 mm (15" ~ 21.5")
Optional Items	Waterproof gasket, External DVD-RW driver, RFID sensor, None touch screen, Open frame, Stainless front bezel, Mounting clips, Memory, Storage devices, WiFi, OS

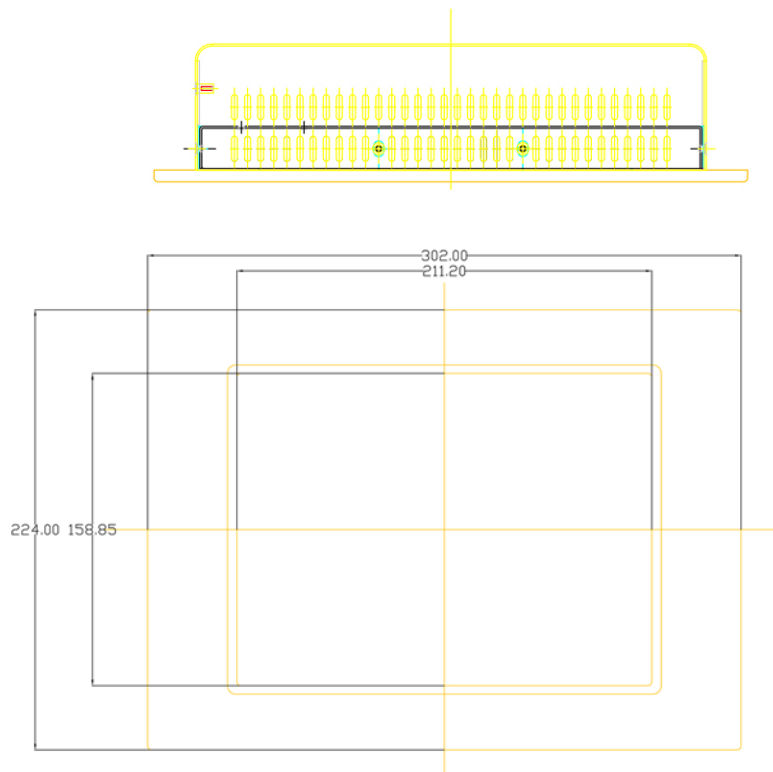
LCD Specifications

Display	Size / Aspect Ratio	10.4" TFT (4:3)
	Backlight	LED
	Resolution	1024 x 768
	Colors	16.2M
	Luminance (cd/m2)	350
	Contrast Ratio	1200:1
	Viewing Angle (H/V°)	176/176
	MTBF (hrs)	50,000
	Touch Screen	5-wire resistive
Dimension (W x H x D, mm)		302 x 224 x 70.2
Weight (kg)		4.5
OSD Controller		No

Mechanical Drawing



10.4" PANEL CUT OUT
Dimensions : 265x210mm



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Dimensions : 265x210mm