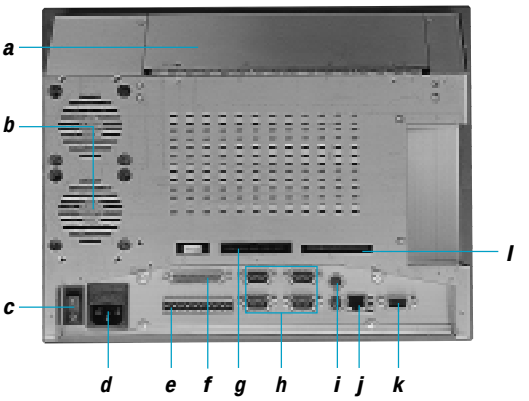
IPPC-9100

Industrial Panel PC with 10.4" LCD display



a. Expansion Bay Cover
b. Twin Colling Fans
c. Power Switch
d. AC Power Input
e. 4 DI/ 4 DO Port
f. Parallel Port
g. FDD Port
h. 4 Serial Ports
i. PS2 KB/Mouse Ports
j. Ethernet Port
k. VGA Port
l. Ext. IDE Port

Introduction

The IPPC-9100 series are designed for applications that require systems with compact size, all-in-one integration but flexible expansion. Incorporating Windows CE OS, the IPPC-9100 represants an excellent graphics control interface. There are two additional ISA expansion slots on the back, which are convenient for system expansion. With a depth of only 5", the IPPC-9100 series are easily mounted on machinery platforms with space restrictions. When equipped with an optional touchscreen, IPPC-9100 becomes a control interface. They are especially suitable for applications such as airplanes, vehicles or machinery remote control. They can fit where others cannot.

Specifications

- **CPU Board:**

  PCM-4865 (IPPC-9100)

  CPU: 5x86-133

  VGA: Chips 65545 VGA controller

  RAM: One 72-pin SIMM for 2 MB~32 MB DRAM
- **Front panel:** Aluminum front panel, while the chassis is of stainless steel
- **Cooling system:** two ball-bearing type fans provide forced convection cooling system
- **Disk drive housing:** Supports one 2.5" HDD (optional)
- **Slots:** 2 half-size ISA slots(IPPC-9100)
- **I/O:**

  IPPC-9100: 4 serial ports, 1 parallel port, 1 Ethernet port, 1 PS/2 keyboard connector, 1 PS/2 mouse connector, external IDE/FDD connectors, 4 DI/ 4 DO

  Digital Input

  Input Voltage: 5 to 40 V_{DC}

  Input Resistance: 1.2 K @ 0.5 W

  Maximum Speed: 10 KHz

  Digital Output

  Output Voltage: Open Collector 5 to 40 V_{DC}

  Sink Current: 200 mA max

  Isolated Voltage: 2,500 V_{DC}
- **Touchscreen:** resistive type, 35 million touch lifetime (optional)
- **Operating temperature:** 0~50°C (32~122°F)
- **Relative humidity:** 5 ~ 85% @ 40° (non-condensing)
- **Vibration (option):** 5 ~ 500 Hz 1 G RMS Random Vibration
- **Dimensions (W x H x D):** 342 x 266 x 128 mm (13.5" x 10.5" x 5.0")
- **Gross Weight:** 9 kg (20 lbs)
- **CE, FCC compliant**

LCD Specification	
Display type	TFT LCD
Display size	10.4"
Max. colors	256k (16 bits high color)
Max. resolution	640 x 480 (VGA)
Dot pitch (mm)	0.33(H) x 0.33(V)
Viewing angle	90°
Luminance	250 cd/m2
Storage temperature	-20~60° C
Operating temperature	0~50° C
LCD MTBF	50,000hrs
Backlight lifespan	25,000hrs

CE FCC

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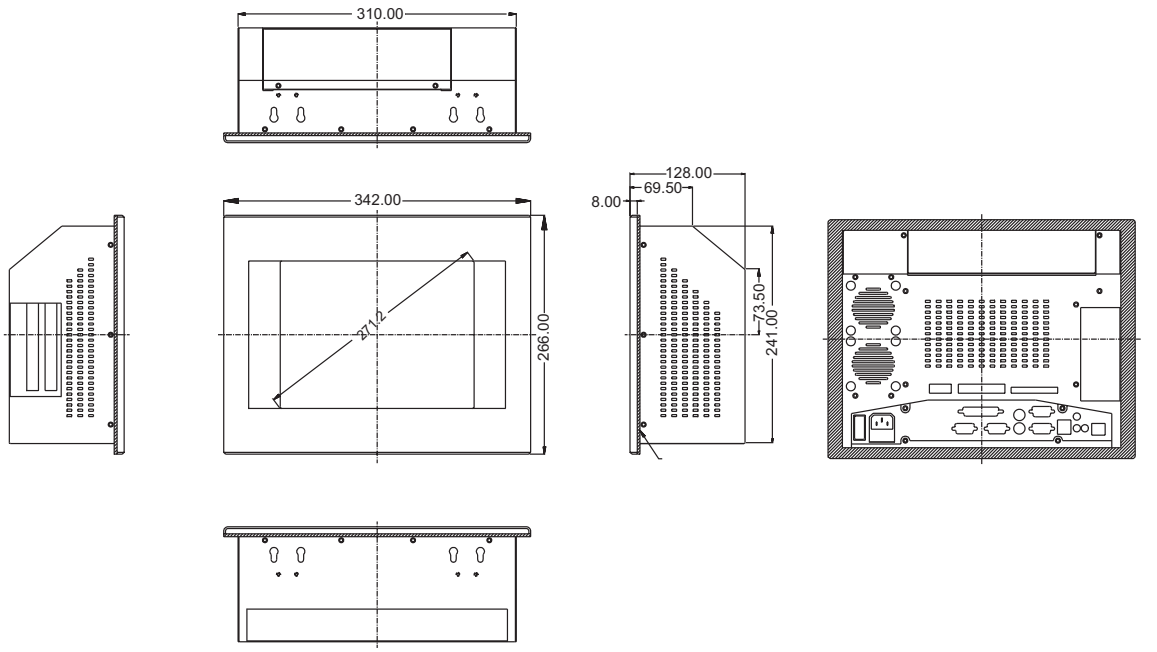
Dimensions

Unit: mm (inch)



Cut-out dimensions: 316 x 247 (12.4" x 9.7")

Power Support

AC Input 80 W (standard offer)

- **Input voltage:** 100 V_{AC}/3 A ~ 240 V_{AC}/1.2 A @ 47 ~ 63 Hz
- **Output voltage:** +5 V @ 12 A, +12 V/1.0 A
- **MTBF:** 200,000 hrs
- **Safety:** UL, CE, CSA

DC Input 80 W (option offer)

- **Input voltage:** 24 V_{DC}/7 A ~ 48 V_{DC}/4A or 12 V_{DC} / 12 A
- **Output voltage:** +5 V @ 10 A, +12 V @ 1.5 A, +12 V @ 0.5 A
- **MTBF:** 200,000 hrs
- **Safety:** UL, CSA
- **EMI:** FCC class B

Ordering Information

❑ **IPPC-9100T:** 10.4" TFT LCD, 2 half-size ISA slots backplane, PCM-4865 CPU board (486based) and 80 W power

❑ **IPPC-9100T-T:** IPPC-9100T with touchscreen

Note:

1. 800 x 600 SVGA TFT LCD versions now available upon request
2. 2.5" IDE Flash drive is suggested to install in vibrating applications, please refer to the PCD-250 series of products
3. WinCE OS is now available upon requset

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