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

Introduction

The IPPC-9100/9103 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 represents an excellent graphics control interface. For advanced system applications, the IPPC-9103's Celeron processor provides powerful yet economical solution. There are two additional ISA expansion slots on the back, which are convenient for system expansion. With a depth of only 5", the IPPC-9100/9103 series are easily mounted on machinery platforms with space restrictions. When equipped with an optional touchscreen, IPPC-9100/9103 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

PCM-9573L (IPPC-9103)

CPU: Intel socket 370 Celeron (up to 500 MHz)

CPU: SMI Lynx EM4 VGA controller

RAM: One SO-DIMM for SDRAM (16 ~ 256 MB)

Audio: ESS 1938 audio controller

- **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); 2 half-size ISA slots or 1 ISA slot & 1 PCI slot (IPPC-9103)

• 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}

IPPC-9103: 4 serial ports, 1 parallel port, 1 Ethernet port, 2 USB ports, 1 PS/2 keyboard connector, 1 PS/2 mouse connector, external IDE/FDD connectors, line-in/line-out/mic-in jacks

- **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**

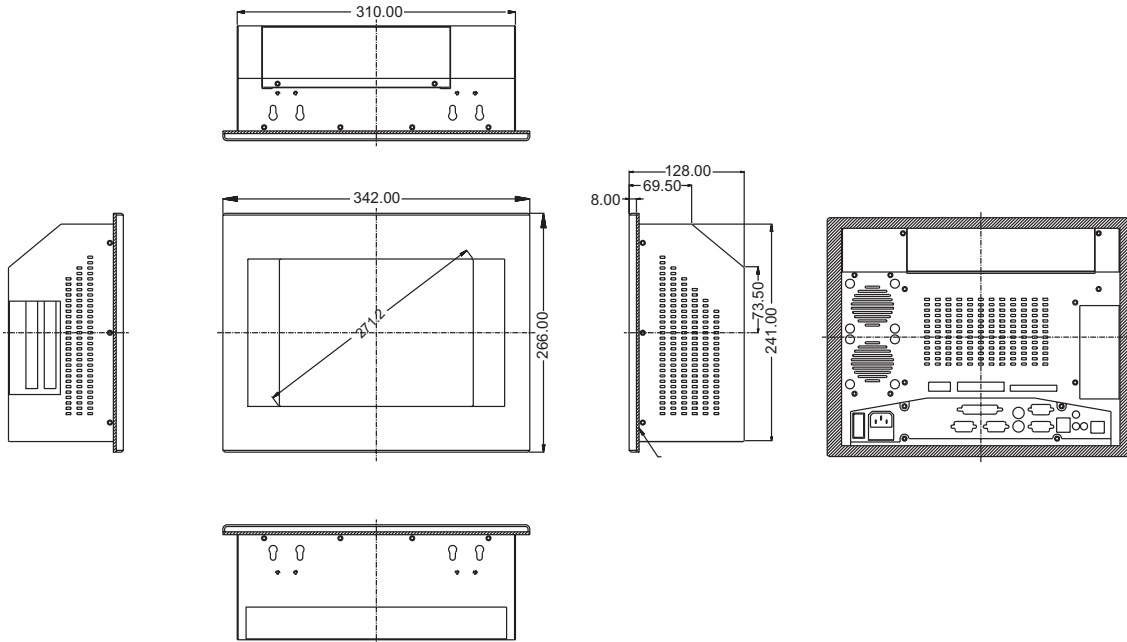
LCD Specification

- **Display type:** TFT LCD
- **Display size:** 10.4"
- **Max. colors:** 256k (16 bits high color)
- **Max. resolution:** 640 x 480 (VGA)



Dimensions

Unit: mm (inch)



Cut-out dimensions: 315 x 245 (12.4" x 9.6")

- 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

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
- 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
- ❑ **IPPC-9103T:** Industrial Panel PC with 10.4" TFT LCD, 2 half-size ISA/PCI slots backplane, PCM-9573 CPU board (Celeron based) and 80 W power
- ❑ **IPPC-9103T-T:** IPPC-9103T 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 request