IPPC-9120/9150

Rugged Pentium® III/ Celeron™ Industrial Panel PC with 12.1"/15" LCD

Features

- Socket 370 CPU structure supports Pentium® III processors up to 850 MHz and Celeron™ processors up to 700 MHz
- 12.1" SVGA/15" XGA TFT LCD provides vivid, sharp and large images
- Offers two expansion slots for PCI/ISA add-on cards
- Heavy-duty stainless steel chassis with aluminum front panel
- Strengthened glass protects the front panel from shock damage and is NEMA4/IP65 compliant
- Back door with lock allows easy maintenance and optimal security
- Support for optional PCMCIA wireless LAN adapter accessory

Introduction

The IPPC-9120/9150 is a fully functional computer system with support for CPUs of different classes (Pentium® III up to 850 MHz & Celeron™ up to 700 MHz) to meet the demands of today's industrial software. The IPPC-9120/9150 is a rugged unit with an aluminum panel, tempered glass 12.1"/15"TFT LCD, a stainless steel structure and two expansion slots. The IPPC-9120/9150 is rugged enough to handle the toughest industrial operating environments. With optional mounting accessories, from swing arm to panels to racks, it can be mounted anywhere.

General Specifications

- **Main Structure:** stainless steel back case, 10 mm thick aluminum front panel meets NEMA4/IP65 protection standard
- **Disk Drive Housing:** supports one 2.5" HDD, one slim size CD-ROM and one slim size FDD
- **Cooling Fans:**
  Flow rate: 15.6 CFM x 2
  MTBF: 50,000 hrs
- **Power Supply:** 80 watts
  Input voltage: 85 V_{AC} ~ 264 V_{AC} @ 47 ~ 63 Hz
  Output voltage: + 5 V @ 12 A, + 12 V @ 1.0 A
  MTBF: 200,000 hrs
- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Relative Humidity:** 5 ~ 85% @ 40° C (non-condensing)
- **Vibration (operation):** 5 ~ 500 Hz 1 G RMS Random Vibration
- **CE, FCC, BSMI, C_UL US compliant**
- **Dimensions (W x H x D):** 402 x 302 x 127 mm (15.8" x 11.9" x 5")
- **Gross Weight:** 10 kg (22 lbs)

CE FCC c UL us

Standard PC Functions

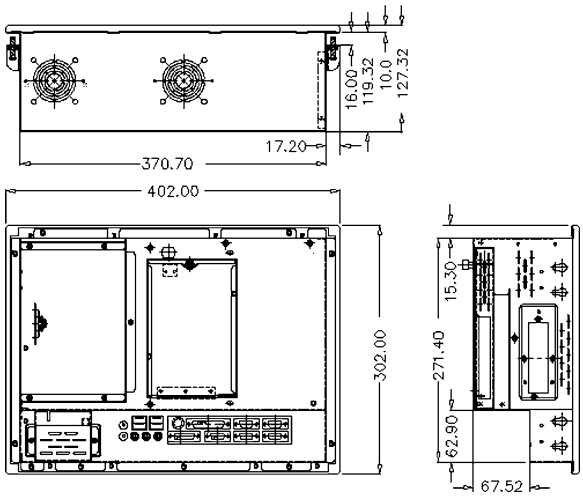
- **CPU Support:** socket 370 Intel Pentium® III up to 850 MHz/ Celeron™ up to 700 MHz
- **2nd Level Cache:** 256 KB On CPU full-speed cache
- **Chipset:** Intel @ 82443BX/ 82371EB
- **BIOS:** Award® Flash BIOS 2 MB
- **RAM:** one DIMM socket supports up to 256 MB SDRAM
- **LAN:** supports 10/100Base-T Ethernet networking
- **Enhanced Parallel Port:** one parallel port, supports SPP/EPP/ECP parallel mode. BIOS configurable to LPT1, LPT2, LPT3 or disabled
- **Serial Ports:** four serial ports with three RS-232 ports (COM1, 3, and 4), one RS-232/422/485 port (COM2). All ports are compatible with 16C550 UARTs
- **Universal Serial Bus (USB) Port:** supports up to two USB ports
- **PCMCIA Port**: Type II x 2, Type III x 1
- **Watchdog Timer:** 62-level, interval 1 ~ 62 seconds
- **Bus Expansion:** with 2 expansion slots can support up to two PCI or one PCI and one ISA add-on half-size cards.

Touchscreen (optional)

- **Type:** analog resistive, continuous resolution
- **Light Transmission:** 75%
- **Controller:** RS-232 (interface through COM4)
- **OS Support:** MS DOS, Windows 3.1/95/98/NT/2000/XP
- **Durability:** 100 million touch lifetime

Dimensions

Unit: mm (inch)



Cut-out dimensions: 374 mm x 275 mm

LCD Display

	IPPC-9120	IPPC-9150
Size	12.1"	15"
Display type	SVGA TFT	XGA TFT
Color	262 K	262 K
Resolution	800 x 600	1024 x 768
Viewing angle	30° (V), 60° (H)	100° (V), 120° (H)
Luminance	250 cd/m²	250 cd/m²
Operating temp.	0° ~ 50°	0° ~ 50°
Storage temp.	-20° ~ 60°	-20° ~ 60°
LCD MTBF	50,000 hrs	50,000 hrs
Backlight MTBF	25,000 hrs	25,000 hrs

Ordering Information

- **IPPC-9120T**
  Rugged Pentium®III/Celeron™ Industrial Panel PC with 12.1" LCD, PCM-9571 B1 CPU board, 80 W AC power supply, slim FDD. Stainless steel chassis and aluminum front panel
- **IPPC-9120T-T**
  IPPC-9120T with resistive touchscreen
- **IPPC-9150T**
  Rugged Pentium®III/Celeron™ Industrial Panel PC with 15" LCD, PCM-9571 B1 CPU board, 80 W AC power supply, slim FDD. Stainless steel chassis and aluminum front panel
- **IPPC-9150T-T**
  IPPC-9150T with resistive touchscreen

Accessories

- **CDR-9150-24X**
  Slim 24 X CD-ROM kit for IPPC-9170
- **IPPC-9150 Stand**
  Stand kit for IPPC-9150/9120 series product
- **IPPC-9150 S-ARM**
  Swing arm for IPPC-9150/9120
- **IPPC-9150 Rack-MT**
  Mounting kit for standard 19" industrial rack

Note:

1. When using in a panel mounted environment, the panel's thickness can't be over 10 mm
2. 2.5" IDE Flash drive is suggested to install in vibrating applications

Optional PCI Fieldbus Card

- Support CANopen, DeviceNet or Profibus by request
- 4 mm stainless front panel support by request