

# IPPC-9120/9150

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



## Features

- Socket 370 CPU structure support  
Pentium®III processor up to 850 MHz and  
Celeron™ processor up to 700 MHz
- 12.1" VGA/15" XGA TFT LCD provides vivid  
sharp and large images
- Offer 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 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 environments in industrial settings. 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:** 70 watts  
Input voltage: 100 V<sub>AC</sub> / 3 A ~ 240 V<sub>AC</sub> / 1.2 A @ 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 (15.94" x 11.88" x 5")
- **Gross Weight:** 10kg (22 lbs)

## Standard PC Functions

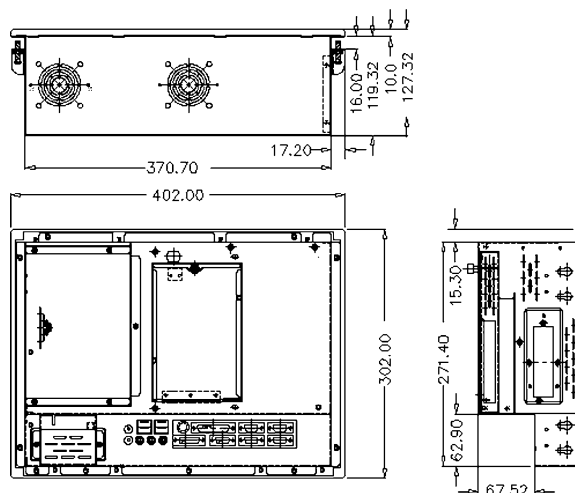
- **CPU Support:** Socket 370 Intel Pentium®III up to 850 MHz/  
Celeron™ up to 700 MHz
- **2nd level cache:** 256 KB On CPU full-speed cache
- **Chipset:** Intel @ 82443BX/ 82371EB
- **BIOS:** Award Flash BIOS 2MB
- **RAM:** One DIMM socket supports up to 256MB SDRAM
- **LAN:** Supports 10/100Base-T 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 cards.

## Touchscreen (optional)

- **Type:** Analog resistive, continuous resolution
- **Light transmission:** 72% (surface meets ASTM-D3363-92A standard)
- **Controller:** RS-232 (interface through COM4)
- **OS support:** MS DOS, Windows 3.1/95/98/NT/2000/ME
- **Durability:** 100 Million touch lifetime



## Dimensions



Unit: mm (inch)

Cut-out dimensions: 374 mm x 275 mm

## LCD Specifications

	IPPC-9120	IPPC-9150
Size	12.1"	15"
Display type	SVGA TFT	XGA TFT
Color	256K	256K
Resolution	800 x 600	1024 x 768
Dot Pitch	0.3075 x 0.3075	0.297 x 0.297
Viewing angle	100° (V), 120° (H)	100° (V), 120° (H)
Luminance (cd/m <sup>2</sup> )	250	250
Operating temp.	0° ~ 50°	0° ~ 50°
Storage temp.	-20° ~ 60°	-20° ~ 60°
LCD MTBF (hrs)	50,000	50,000
Backlight MTBF (hrs)	25,000	25,000

## Accessories

- ❑ **CDR-9150-24X**  
Slim 24 X CD-ROM kit for IPPC-9120/9150
- ❑ **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
- ❑ **WLAN-9030:**  
11 Mbps wireless LAN PCMCIA adapter

### 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,

## Ordering Information

- ❑ **IPPC-9120T**  
Rugged Pentium®III/Celeron™ Industrial Panel PC with 12.1" LCD, PCM-9571 B1 CPU board, 70 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, 70 W AC power supply, slim FDD. Stainless steel chassis and aluminum front panel
- ❑ **IPPC-9150T-T**  
IPPC-9150T with resistive touchscreen