IPPC-9120

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

Features

- Socket 370 CPU structure supports Pentium® III processors up to 850 MHz and Celeron® processors up to 700 MHz
- 12.1" SVGA 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 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 is a rugged unit with an aluminum panel, tempered glass 12.1" TFT LCD, a stainless steel structure and two expansion slots. The IPPC-9120 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.

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 ~ 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
- **Certifications** — CE, CCC, FCC, BSMI, UL compliant
- **Dimensions (W x H x D)** — 402 x 302 x 127 mm (15.8" x 11.9" x 5")
- **Gross Weight** — 10 Kgs (22 lbs)

Standard PC Functions

- **CPU Support** — Socket 370 Intel® Pentium® III up to 850 MHz/ Celeron® up to 700 MHz
- **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, IPPC-9120 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
- **Durability** — 100 Million touch lifetime

LCD Specifications

- **Size** — 12.1"
- **Display Type** — SVGA TFT
- **Color** — 262 K
- **Resolution** — 800 x 600
- **Viewing Angle** — 30° (V), 60° (H)
- **Luminance (cd/m²)** — 250
- **Operating Temperature** — 0 ~ 50° C
- **Storage Temperature** — -20 ~ 60° C
- **LCD MTBF (hrs)** — 50,000
- **Backlight MTBF (hrs)** — 25,000

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

Dimensions

Unit: mm
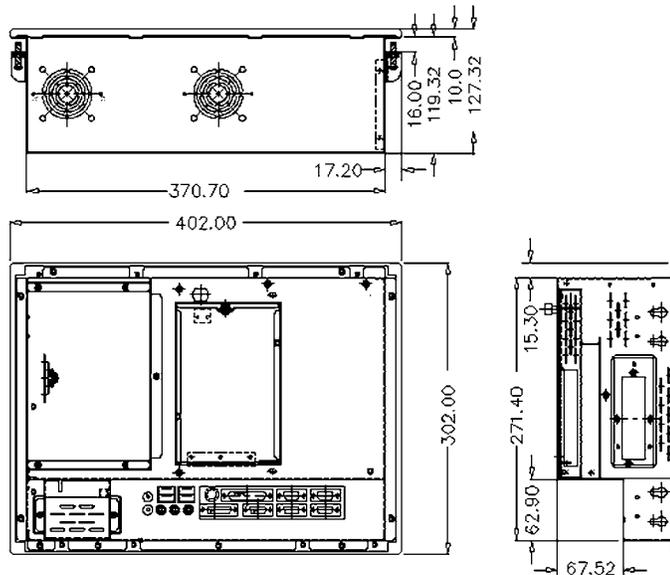
Cut-out dimensions: 374 x 275 mm

1
IPPC & AWS

2
TPC

3
FPM

4
ATM

5
DA&C

6
cPCI

7
ADAM-3000

8
eConnectivity

9
ICOM

10
Software

11
UNO-2000/3000

12
VBOX

13
ADAM-4000

14
ADAM-5000

15
ADAM-6000

16
ADAM-8000

Accessories

- **CDR-9150-24X**   Compact 24X 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

Note:

1. When used in a panel mounted environment, the panel's thickness can not be over 10 mm.

Optional PCI Fieldbus Card

- **Supports CANopen, DeviceNet or Profibus by request**
- **4 mm stainless front panel supported by request**