IPPC-9150

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

Features

- Socket 370 CPU structure supports Pentium® III processors up to 1.26 GHz and Celeron® processors up to 1.3 GHz
- 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
- Hard anodic coating to prevent panel abrasion and acid corrosion
- Supports industrial mounting-Rack and panel mounting

Introduction

The IPPC-9150 is a fully functional computer system with support for CPUs of different classes (Pentium® III up to 1.26 GHz & Celeron® up to 1.3 GHz) to meet the demands of today's industrial software. The IPPC-9150 is a rugged unit with an aluminum panel, tempered glass 15"TFT LCD, a stainless steel structure and two expansion slots. The IPPC-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.

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
- **Cooling Fans** — Flow rate: 15.6 CFM x 2
  MTBF: 50,000 hrs
- **Power Supply** — 100 W
  Input voltage: 100 V_{AC} ~240 V_{AC} @ 47 ~ 63 HZ
  Output voltage: + 5 V @ 15 A, +12 V @ 5 A, -12 V @ 0.5 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** — CCC, CE, FCC, BSMI, UL
- **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 1.26 GHz, Socket 370 Intel® Celeron® up to 1.3 GHz
- **Chipset** — VT82C686B
- **BIOS** — Award® 256 KB Flash BIOS
- **RAM** — Two DIMM socket supports up to 1GB 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) Ports** — Supports up to two USB 2.0 ports
- **PCMCIA port** — Type II x 2
- **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® 95/98/NT/2000/XP
- **Durability** — 1 Million touch lifetime at the single point
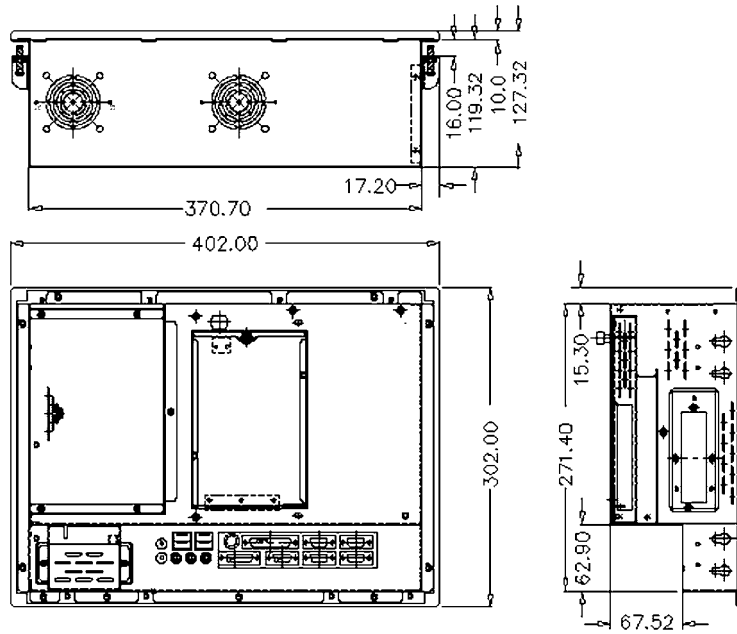
LCD Specifications

- **Size** — 15"
- **Display Type** — XGA TFT
- **Color** — 262K or above
- **Resolution** — 1024 x 768
- **Viewing Angle** — 100° (V), 120° (H)
- **Luminance (cd/m²)** — 250
- **Operating Temperature** — 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** — -20 ~ 60° C (-4 ~ 140° F)
- **Backlight Life** — 30,000 hrs

Ordering Information

- **IPPC-9150G** — Rugged Pentium® III/Celeron® Industrial Panel PC with 15" LCD, PCM-9672 B1 CPU board, 100 W AC power supply, CD ROM Drive. Stainless steel chassis and aluminum front panel
- **IPPC-9150G-R** — IPPC-9150G with resistive touchscreen

Dimensions

Unit: mm

Cut-out dimensions: 374 x 275 mm

Accessories

- **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

Notes:

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**