IPPC-9151G

Rugged Intel® Pentium® 4 / Celeron® Industrial Panel PC with 15" LCD

NEW

Features

- Socket 478 supports Intel® Pentium® 4 processors up to 2.8 GHz
- 15" XGA TFT LCD provides vivid, sharp and large images
- Offers two expansion slots for PCI add-on cards
- System memory up to 2 GB DDR SDRAM
- Front access USB connector
- Heavy-duty stainless steel chassis with aluminum front panel
- Strengthened glass protects the front panel from shock damage and is NEMA4/IP65 compliant
- Built-in FDD and support for one CD-ROM and 3.5" HDD Drive
- Support for optional PCMCIA wireless LAN adapter accessory
- Hard anodic coating to prevent panel abrasion and acid corrosion
- Supports industrial mounting racks and panel mounting

Introduction

IPPC-9151 is a fully functional computer system with support for CPUs of different classes (Pentium 4 up to 2.8 GHz) and resolution up to 1024 x 768 to meet the demands of today's high-end industrial software. IPPC-9151 is a rugged unit with an aluminum panel, tempered glass 15"TFT LCD, a stainless steel structure and two expansion slots. IPPC-9151 is rugged enough to handle the toughest industrial operating environments. With optional mounting accessories, from panels to racks, it can be mounted anywhere. There is also IPPC-9151FA-X, which has a flat-sealed front panel for easier cleaning and liquid run-off, which is suitable for tough hygiene requirements in food & beverage manufacturing.

Specifications

General

- **BIOS** — Award® 256 KB Flash BIOS
- **Certifications** — BSMI, CCC, CE, FCC class B, UL
- **Cooling System** — 2 x 10.1 CFM fans w/ 50,000 hrs MTBF
- **Dimensions (W x H x D)** — 428 x 310 x 162 mm (16.85" x 12.2" x 6.37")
- **Disk Drive Bay** — Supports one 3.5" HDD and slim size CD-ROM, built-in FDD
- **Enclosure** — Stainless steel back case, 10 mm aluminum front panel
- **Mounting** — Panel, rack
- **Power Input** — 100 ~240 V_{AC} @ 50 ~ 60 Hz, 2 A
- **Power Output** — + 5 V @ 15 A, +12 V @ 5 A, -12 V @ 0.5 A
- **Power Supply** — 180 W, MTBF: 200,000 hrs
- **Weight (Gross)** — 13 kg (28 lb)

System Hardware

- **Audio Ports** — Mic-in, Line-in, Line-out, and game port
- **Chipset** — Intel 845GV
- **CPU** — Socket 478, Intel® Pentium® 4 up to 2.8 GHz Intel® Celeron® up to 2.5 GHz
- **Expansion Slots** — 2 x low-profile PCI
- **IEEE-1394 Ports** — 2 x IEEE 1394 ports (Firewire)
- **Keyboard/Mouse** — 1 x PS/2 mouse and keyboard interface
- **LAN** — 1 x 10/100Base-T
- **Memory** — Two 184 pin DDR DIMM sockets supports up to 2 GB
- **Parallel Ports** — 1 x standard parallel port
  1 x enhanced parallel port, supports SPP/EPP/ECP parallel mode.
  BIOS configurable to LPT1, LPT2, LPT3 or disabled
- **PCMCIA Slots** — 2 x Type II
- **Serial Ports** — 1 x RS-232, 1 x RS-232/422/485
- **USB Ports** — 4 x USB 2.0
- **Video Ports** — S-Video

LCD Display

- **Backlight Life** — 50,000 hrs
- **Contrast Ratio** — 1:400
- **Display Size** — 15"
- **Display Type** — XGA TFT LCD
- **Luminance** — 350 cd/m²
- **Max. Colors** — 262,144
- **Max. Resolution** — 1024 x 768
- **OSD Control** — LCD ON/OFF, Brightness drop, up
- **Viewing Angle (H / V°)** — 120/100

Touchscreen (Optional)

- **Interface** — USB
- **Lifespan** — 1 million touches at single point
- **Light Transmission** — 75%
- **OS support** — MS DOS, Windows® 95/98/NT/2000/XP
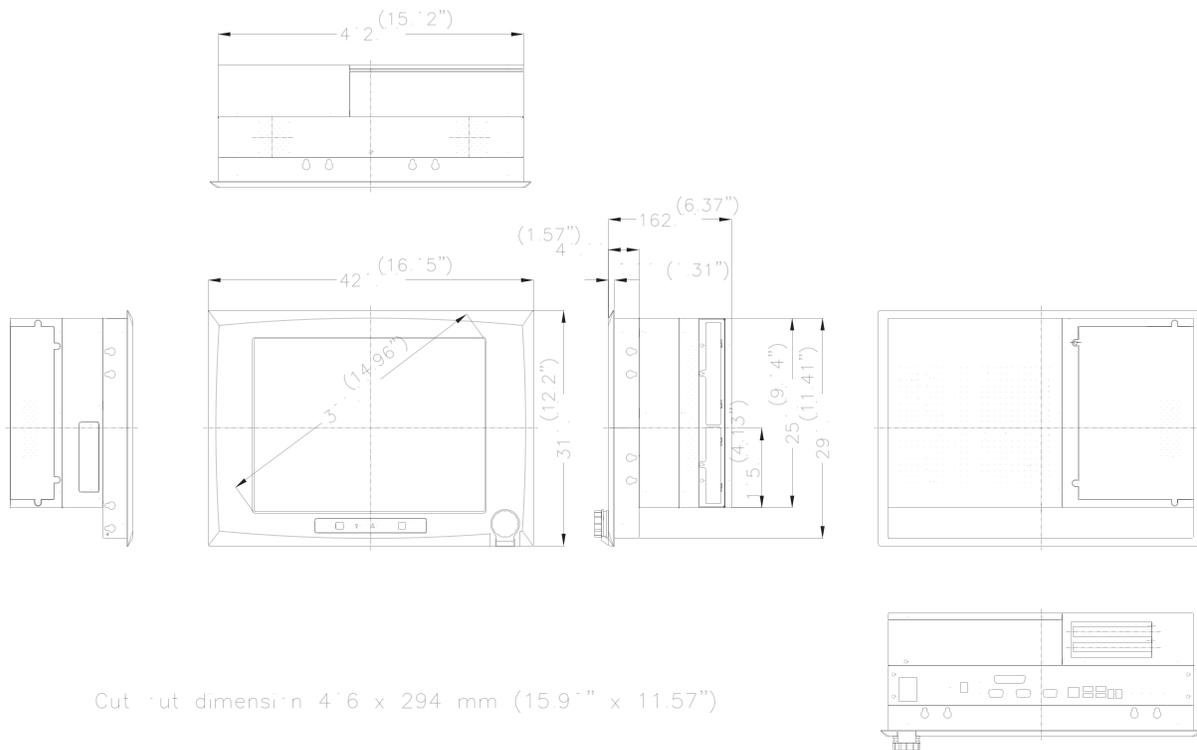- **Type** — Analog resistive (8-wire)

Environment

- **Humidity** — 5 ~ 85% @ 40° C (non-condensing)
- **Ingress Protection** — Front panel: NEMA4/IP65
- **Operating Temperature** — 0 ~ 50° C (32 ~ 122° F)
- **Vibration Protection** — 5 ~ 500 Hz, 1 G_{RMS} random vibration

Ordering Information

- **IPPC-9151G-XA** — Rugged Pentium 4 Industrial Panel PC with 15" LCD, 180 W AC power supply, stainless steel chassis and aluminum front panel
- **IPPC-9151G-RA** — IPPC-9151G-XA with resistive touchscreen
- **IPPC-9151F-XA** — Rugged Pentium 4 Industrial Panel PC with 15" LCD, 180 W AC power supply, stainless steel chassis and flat-sealed aluminum front panel
- **IPPC-9151F-RA** — IPPC-9151F-XA with resistive touchscreen
- **IPPC-9151S-XA** — Rugged Pentium 4 Industrial Panel PC with 15" LCD, 180 W AC power supply, stainless steel chassis and stainless front panel
- **IPPC-9151S-RA** — IPPC-9151S-RA with resistive touchscreen

Dimensions

Unit: mm

Cut out dimension 406 x 294 mm (15.91" x 11.57")

Accessories

- **IPPC-9151 Rack-MT**   Mounting kit for standard 19" industrial rack
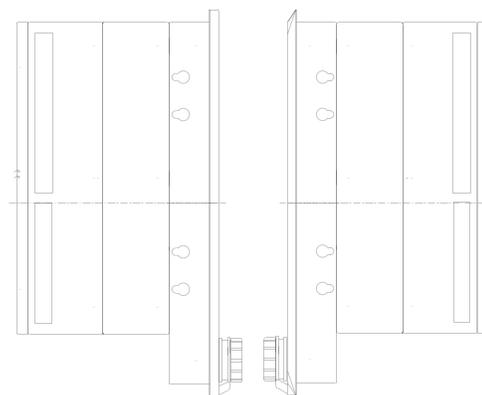- **CDR-9151-COMBO**   Slim type Combo CD-ROM

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**

Flat-Sealed Front Panel

The flat-sealed front panel of IPPC-9151F-XA (shown above left), is designed for minimum projection in panel mounts. This ensures easier liquid run-off, prevents dirty edges, and is useful in applications where hygiene is crucial (e.g. food processing).

1 Software
2 IPPC
3 TPC
4 FPM
5 ATM & AWS
6 DA&C
7 cPCI
8 ADAM-3000
9 Motion Control
10 ICOM
11 Industrial Networking
12 UNO
13 ADAM-4000
14 ADAM-5000
15 ADAM-6000
16 ADAM-8000
17 BAS