

# IPPC-9151G IPPC-9171G

**15" XGA/17" SXGA LED backlight TFT LCD Intel® Core™ i7/i5/i3 Celeron® Mobile Processor Industrial Panel PC with 1 x PCIe Slot**

**NEW**



## Features

- Intel® Core™ i7/i5/i3 Celeron® μFC-PGA988 processor with Intel® QM67 chipset
- 15" XGA/17" SXGA LED backlight LCD with low power consumption
- Front access USB connector
- Supports 1 xPCIe x1 or 4 (Gen2) (PCI optional)
- Heavy-duty stainless steel chassis with aluminum front panel
- Strengthened glass protects the front panel from shock damage and is IP65 compliant
- Supports dual display of HDMI, LVDS, VGA
- Supports 1 x 2.5" SATA II or SATA III HDD and 1 x CFast
- Hard anodic coating to prevent panel abrasion and acid corrosion
- Supports embedded software APLs and Utilities

## Introduction

IPPC-9151G/IPPC-9171G is a fully functional computer system with front USB access, with Intel® mobile Core i7-2710QE 2.1GHz/Core i5-2510E 2.5 GHz/Core i3-2330E 2.2 GHz /Celeron® B810 1.6 GHz processors up to 6 MB L3 cache and DDR3 SO-DIMM 1066/1333 up to 8 GB and a resolution up to 1024 x 768 to meet the demands of today's high-end industrial software. The IPPC-9151G/IPPC-9171G is a rugged unit with an aluminum panel, 15"/17" TFT LCD with LED backlight, a stainless steel structure and a PCIe slot. The IPPC-9151G/9171G is rugged enough to handle the toughest industrial operating environments. With optional mounting accessories, from panels to racks, it can be mounted anywhere.

## Specifications

### General

- BIOS** AMI EFI 64 Mbit SPI
- Certification** BSMI, CCC, CE, FCC, UL
- Cooling System** 2 x 10.1 CFM fans w/50,000 hrs MTBF
- Dimensions (W x H x D)**  
IPPC-9151G: 428 x 310 x 96.5 mm (16.35" x 12.2" x 3.79")  
IPPC-9171G: 482 x 354.8 x 98 mm (18.98" x 13.97" x 3.86")
- Disk Drive Bay** Supports 1 x 2.5" SATA II or SATA III HDD
- Enclosure** Stainless steel back case, 10 mm aluminum front panel
- Mounting** Panel, rack
- Power Input** 100–240 V<sub>AC</sub> @ 4A 50–60Hz
- Power Supply** 180 W, MTBF: 100,000 hrs
- Weight (Gross)**  
IPPC-9151G: 10.52 Kg (23.19 lbs)  
IPPC-9171G: 14 Kg (30.86 lbs)

### System Hardware

- CPU** Supports uFC-PGA988 Intel® mobile Core i7-2710QE 2.1 GHz/Core i5-2510E 2.5 GHz/Core i3-2330E 2.2 GHz/Celeron® B810 1.6GHz processor
- Chipset** Intel® 6 series chipset (QM67)
- Audio Ports** Mic-in, Line-out, Line-in
- Expansion Slots** Supports 1 x PCIe x1 or x4 (PCI optional)
- PS/2** 1 x keyboard and 1 x mouse
- LAN** 2 x 10/100/1000 Mbps
- Memory** 2 x 204 pin DDR3 1066/1333 SODIMM sockets supports up to 8GB (2 x 4GB)
- Cfast** 1 x CFast slot
- I/Os** 1 x VGA; 1 x HDMI; 5 x USB 2.0 (one at front); 4 xRS-232

### LCD Display

- LCD Display Type** IPPC-9151G: XGA TFT LCD with LED Backlight  
IPPC-9171G: SXGA TFT LCD with LED Backlight
- Display Size** IPPC-9151G: 15"; IPPC-9171G: 17"
- Max. Resolution** IPPC-9151G: 1024 x 768; IPPC-9171G: 1280 x 1024
- Max. Colors** IPPC-9151G: 16.2M or 256K Color  
IPPC-9171G: 16.7M colors (RGB 6-bits +Hi-FRC data)
- Viewing Angle (H/V°)** IPPC-9151G: 160/140; IPPC-9171G: 170/160
- Luminance** IPPC-9151G: 350 cd/m<sup>2</sup>; IPPC-9171G: 380 cd/m<sup>2</sup>
- Backlight Life** 50,000hrs
- Contrast Ratio** IPPC-9151G: 700:1; IPPC-9171G: 400:1

### Touchscreen

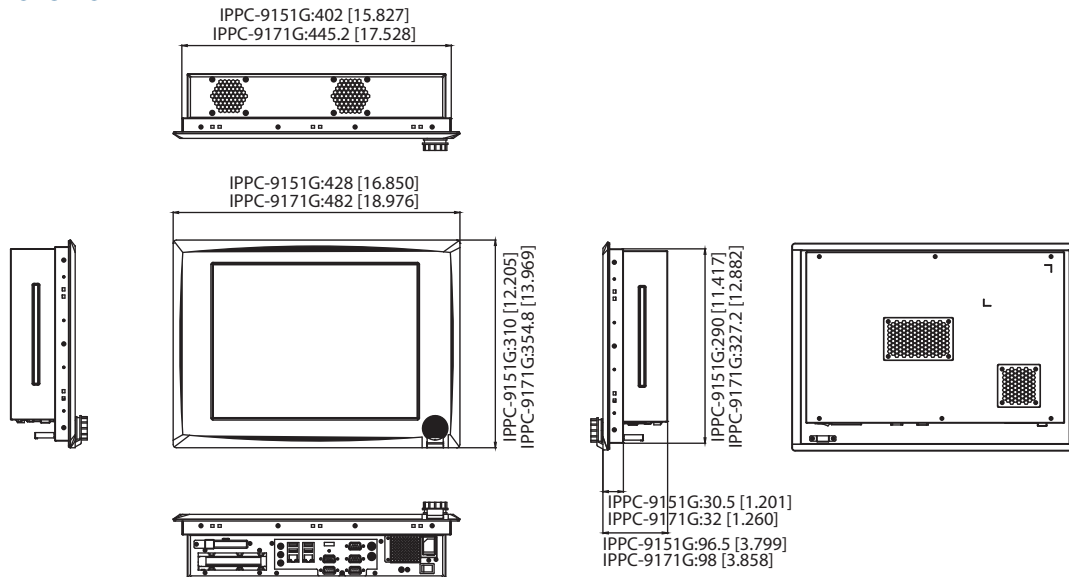
- Lifespan** 36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- Light Transmission** > 80%
- Type** Analog resistive (5-wire)

### Environment

- Humidity** 5 – 85% @ 40°C (non-condensing)
- Ingress Protection** Front panel: IP65
- Operating Temperature** 0 – 50°C (32 ~ 122°F)
- Storage Temperature** -20 – 60°C (-4 ~ 140°F)
- Vibration Protection** 5 – 500 Hz, 1 G<sub>RMS</sub> random vibration

## Dimensions

Unit: mm



**Panel Cut-out Dimensions: IPPC-9151G: 404 x 292mm (15.90" x 11.49")**  
**IPPC-9171G: 447.5 x 329.5mm (17.618" x 12.972")**

## Ordering Information

- **IPPC-9151G-R1AE** 15" XGA Intel® Core™ i7/i5/i3 Celeron with TS
- **IPPC-9171G-R1AE** 17" SXGA Intel® Core™ i7/i5/i3 Celeron with TS

## Accessories

- **IPPC-9151G-RMKE** (IPPC-9151G) Mounting Kit for standard 19" industrial rack
- **IPPC-9151G-EPRE** IPPC-9151G/9171G-R1AE PCI Riser card

### Notes:

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

- |                   |  |
|-------------------|--|
| <b>1702002600</b> | Power Cable US Plug 1.8 M              |
| <b>1702002605</b> | Power Cable EU Plug 1.8 M              |
| <b>1702031801</b> | Power Cable UK Plug 1.8 M              |
| <b>1702031836</b> | Power Cable China/Australia Plug 1.8 M |

2. Dual Display

- |                        |             |
|------------------------|-------------|
| <b>Primary Display</b> | LCD         |
| <b>Second Display</b>  | CRT or HDMI |

## I/O Overview

