PPC-1100

10.4" Fanless Panel PC with Intel®Atom™ N455 Processor

Features

- 10.4" TFT SVGA LED Panel with resistive touchscreen
- Embedded Intel ATOM processor, single core N455 1.66 GHz onboard
- System memory up to 2 GB DDR3 SDRAM
- Supports one internal SATA 2.5" HDD (Optional)
- Supports one Mini PCIe socket, two Gigabit Ethernet
- Fanless and compact size
- One RS-232, One RS-232/422/485
- Supports one CFast socket

Introduction

PPC-1100 is a valued and ultrasilm 10.4" Fanless Panel PC. It is built with a 10.4" TFT SVGA LED panel, and low power consumption Intel Atom processor N455. PPC-1100 is highly reliable because of fanless design. It provides 2 x serial ports, 2 x USB ports, and two GbE LAN to satify various industrial application. With compact and silm design, PPC-1100 is very easy to install with a slendar housing when the space is limited.

Specifications

Display

- **Display Type**   10.4" TFT LCD (LED backlight)
- **Max. Resolution**   800 x 600
- **Colors**   16.2M/262k
- **Pixel Pitch (mm)**   0.264 x 0.264
- **Viewing Angle**   80 (left), 80 (right), 70 (up), 70 (down)
- **Luminance**   400
- **Operating Temperature** -20 ~ 70°C
- **Backlight Lifetime**   30,000 hrs
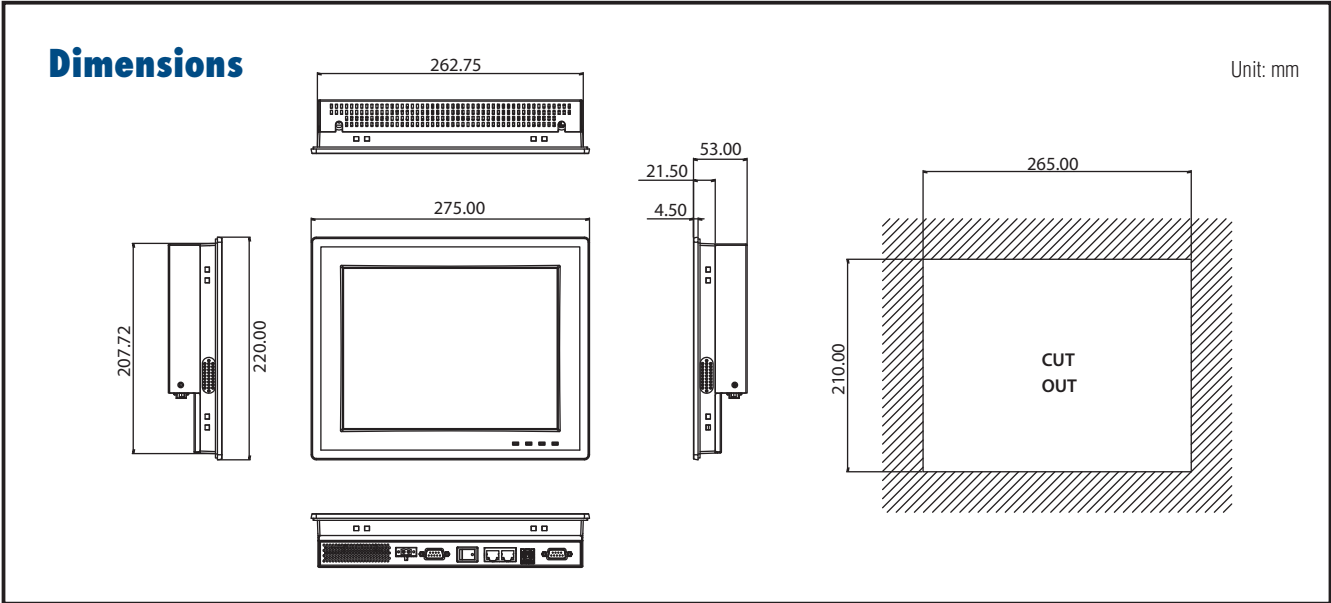
Touchscreen

- **Touch Type**   Analog Resistive 5 wires
- **Resolution**   2048 x 2048
- **Light Transmission**   81±3%
- **Controller**   RS232 interface
- **Software Driver Support** Windows XP, CE,Win7
- **Durability (Touches)** 36 million
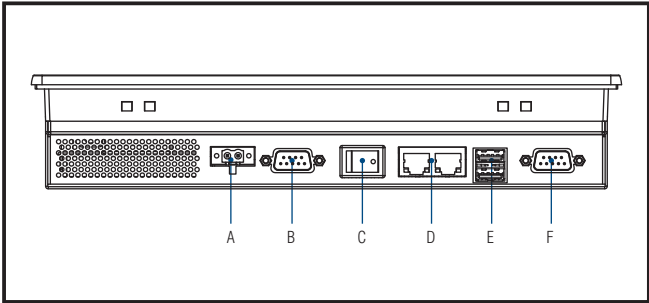
Environment

- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature**   -20 ~ 60°C (-4 ~ 140°F)
- **Relative Humidity**   10 ~ 95% @ 40° C (non-condensing)
- **Shock**   Operating 10 G peak acceleration (11 ms duration), follows IEC 60068-2-27
- **Vibration**   Operating Random Vibration Test 5~500Hz, 1Grms, follows IEC 60068-2-64
- **EMC**   CCC
- **Safety**   CCC
- **Front Panel protection** IP65 compliant

General

- **CPU**   Intel Atom N455 1.66GHz 6.5W Single Core CPU on board
- **Memory**   SO-DIMM x 1, DDR3 667, Max 2GB
- **2nd Cache Memory**   512 KB
- **Chipset**   Intel ICH8M
- **SSD**   Cfast*1 (internal)
- **HDD**   1 x 2.5" external SATA HDD module (Optional)
- **I/O Ports**   2 x Serial ports: RS-232 x 1, RS-232/422/485 x 1
                            2 x USB ports (external)
- **Bus Expansion**   1 x Mini PCIe
- **Network (LAN)**   2 x 10/100/1000 Mbps Ethernet
- **Watchdog Timer**   255 timer levels; setup by software
- **Dimensions (W x H x D)** 275 x 220 x 53 mm
- **Weight**   2.3 kg
- **OS Support**   Microsoft XPE, XP pro, CE6.0, Win7
- **Power Supply**   DC 12 ~24V

Dimensions

Unit: mm

262.75

53.00

21.50

4.50

275.00

265.00

207.72

220.00

210.00

CUT OUT

I/O Appearance

A. DC-in
B. RS-232
C. Power S/W

D. 2 x LAN
E. 2 x USB
F. RS-232/422/485

Ordering Information

- **PPC-1100-R2GAE**   Intel Atom N455 Fanless Panel PC with 10.4" SVGA LED backlight
- **1757004659-01**   Adapter AC100-240V 65W 19V
- **PPC-1100-HDDE**   HDD bracket module for PPC-1100
- **989KL128T02E**   Wireless LAN Module for PPC-L128T Series
- **2070012176**   Image Win CE 6.0 pro for PPC-1100 V3.04
- **2070012177**   Image WES09 for PPC-1100 V3.32 12-Multi
- **1700008921**   Power cord 3P/3P Power Supply 1.8M PSE
- **PPC-174T-WL-MTE**   Wall mount kit for PPC series
- **PPC-3100-STANDE**   Stand for PPC-3100 series