PPC-120T-AL

Main Features

- Intel® Celeron®J3455E quad core CPU
- Support TPM 2.0
- Support ambient light sensor for auto dimming
- 4 x RJ45 with Intel® I210-IT GbE controller
  - 1 x Support POE (PD) , also support GbE LAN
  - 3 x GbE LAN

- 2 x USB 3.0 Type A, 1 x USB 3.0 Type C (w/DP, ALT mode), 2 x Isolated RS232/422/485, 1 x Fan/Buzzer connector, 1 x Display port
- 1 x 24V DC in with 3-pin phoenix contact, redundant with PoE port
- IP65 front bezel
- IP20 back system

Product Overview

PPC-120T-AL is a fanless panel box PC based on the quad cord Intel® Celeron® J3455E TDP 10W with an operatinges temperature range from -10°C to 55°C. It is aimed for use in maritime and offshore environments. PPC-120T-AL comes with both 24VDC and PoE power input, providing redundant isolated power design, with uninterrupted source switching.

OS System supports Windows 10

Specifications

CPU Support
- Intel® Apollo Lake-Celeron® processor J series-J3455E quad core, 2M cache, up to 2.3 GHz
- TDP 10W
- TPM 2.0

Main Memory
- 1 x 8 GB DDR3L industrial So-dimm 512M x 8 (16) 1600 204-pin H:30mm

Storage
- M.2 2242 128GB TLC T: -40~85°C

Display
- 1 x DP

Panel
- 12.1" WXGA TFT-LCD 1280 x 800/TR12ms/TF 8ms/600nits 1CH 6/8bit LVDS
- Resolution:1280x800
- Viewing angle: 88/88/88/88
- Color: 262K / 16.7M
- Brightness: 600 cd/m²
- Interface : LVDS

Touch Screen
- 12 projected capacitive touch panel sensor
- Touch glass with AR coating
- Light transmission: 89±2%
- Touch interface: USB I/F

I/O Interface
- 4 x RJ45 with Intel® I210-IT GbE controller
  - 1 x Support PoE (PD), also support GbE Lan
  - 3 x GbE Lan
- 2 x USB 3.0 Type A
- 1 x USB 3.0 Type C (DP), support ALT mode
- 2 x Isolated RS232/422/485
- 1 x Display port
- 1 x Fan/buzzer connector
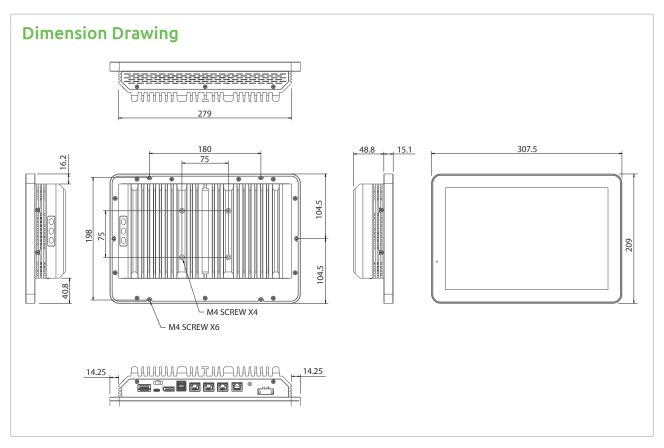- 1 x 24V DC in with 3 Pin phoenix contact, redundant with PoE (PD) Port

Power Switch
- Press to power-on or power-off the system

Certifications
- CE approval
- FCC Class A
- IEC-60945 maritime standards compliance

NEXCOM

Dimension Drawing

Power Requirements
- Power input: +18 to 32 Vdc
- 1 x Optional 24V, 60W power adapter

Dimensions
- 307.5 (L) x 209(W) x 64 (H) mm
- Flash mount Kit or VESA mount (75 x 75mm)

Environment
- Operation temperature: -10°C to 55°C
- Storage temperature: -25°C to 75°C
- Relative humidity: 10%~90% relative humidity, non-condensing
- Certifications
- CE / FCC Class A
- IEC 60945 maritime standard compliance
- Support OS
- Windows 10 -64bits

Ordering Information

System

- **PPC-120T-AL-S (P/N: 10Q00120T01X0)**
  - Intel J3455E quad core CPU
  - Fanless Panel BOX PC
  - 1 x 8 GB 8 GB DDR3L industrial So-dimm 512M x 8 (16) 1600 204-pin H:30mm
  - 1 x M.2 2242 128GB TLC T:-40~85°C

Optional

- **Adapter: 60W 24V/2.5A W/ 3-pin phoenix contact**

  (P/N: 7400060065X00)

- **OS : Windows 10 (P/N: 88Q0000CE00X2)**