



## Main Features

- ♦ 4:3 19" SXGA Fanless Panel Computer
- ♦ Intel® Atom™ E3826, dual core, low power consumption CPU
- ♦ PS2 KB/MS/Line-out/Dual GbE/3x USB
- ♦ 2 x RS232/422/485/2nd display-VGA/2 x Mini-PCIe sockets/1 x CFast
- ♦ Remote power switch
- ♦ DDR3L 2GB/2.5" HDD bracket
- ♦ Support JMobile HMI and CODESYS SoftLogic (optional)
- ♦ Mounting support: Panel/Wall/Stand/VESA 100mm x 100mm
- ♦ Wide range power input 12~30VDC

## Product Overview

Incorporated a 19" 4:3 touch screen LCD panel with resolutions up to 1280 x 1024 (SXGA) and 350 nits brightness. It is specially designed with bezel-less display which allows customers to design front bezel according to their application requirements without any limitation. The OPPC1940T are fanless Panel PC based on the Atom™ E3826 processor. The OPPC 1940T supports WWAN/WLAN expansion and others via dual Gigabit Ethernet connectors, two Mini-PCIe slots and one SIM card holder.

With support for wide power input of 12~30VDC, OPPC 1940T can gain a strong foothold in industrial field and machine devices. In addition, OPPC 1940T can hook 2nd display via a VGA port for dual independent display. OPPC 1940T has two isolated RS232/422/485 ports.

## Specifications

### Panel

- ♦ LED size: 19", 4:3
- ♦ Resolution: S XGA 1280x1024
- ♦ Luminance: 350cd/m<sup>2</sup>
- ♦ Contrast ratio: 1000:1
- ♦ LCD color: 16.7M
- ♦ Viewing angle: 80(U), 80(D), 85(L), 85(R)
- ♦ Backlight: LED

### Touch

- ♦ 5-wire resistive
- ♦ Touch light transmission: 80%
- ♦ Touch interface: USB

### System

- ♦ CPU: On-board Intel® Atom™ Dual Core processor E3826, 1.46GHz, 1M L2 Cache
- ♦ BIOS: AMI BIOS
- ♦ System memory: 2 x 204-pin DDR3L SO-DIMM socket, 2GB DDR3L (Default), Support up to 8GB(4GB+4GB) DDR3L-1066/1333, Non-ECC and Un-buffered
- ♦ Storage device:
  - 1 x external locked CFast socket
  - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- ♦ Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255

minutes (tolerance 15% under room temperature 25°C)

- ♦ H/W status monitor: monitoring system temperature, and voltage
- ♦ Expansion: 2 x Mini-PCIe sockets (support optional Wi-Fi, 3.5G module)

### Rear I/O

- ♦ PS2 keyboard/mouse
- ♦ Audio port: 1 x Line-out
- ♦ Remote power switch
- ♦ Ethernet: 2 x RJ45
- ♦ USB: 2 x USB2.0; 1 x USB3.0
- ♦ COM #1: RS232/422/485
- ♦ COM #2: RS232/422/485
- ♦ Reset button
- ♦ 2nd display VGA port: 1 x DB15
- ♦ Power switch

### Audio

- ♦ HD Codec: Realtek ALC886-GR
- ♦ Audio interface: Line-out/Line-in (Optional)/MIC-in (Optional) audio Jack

### Ethernet

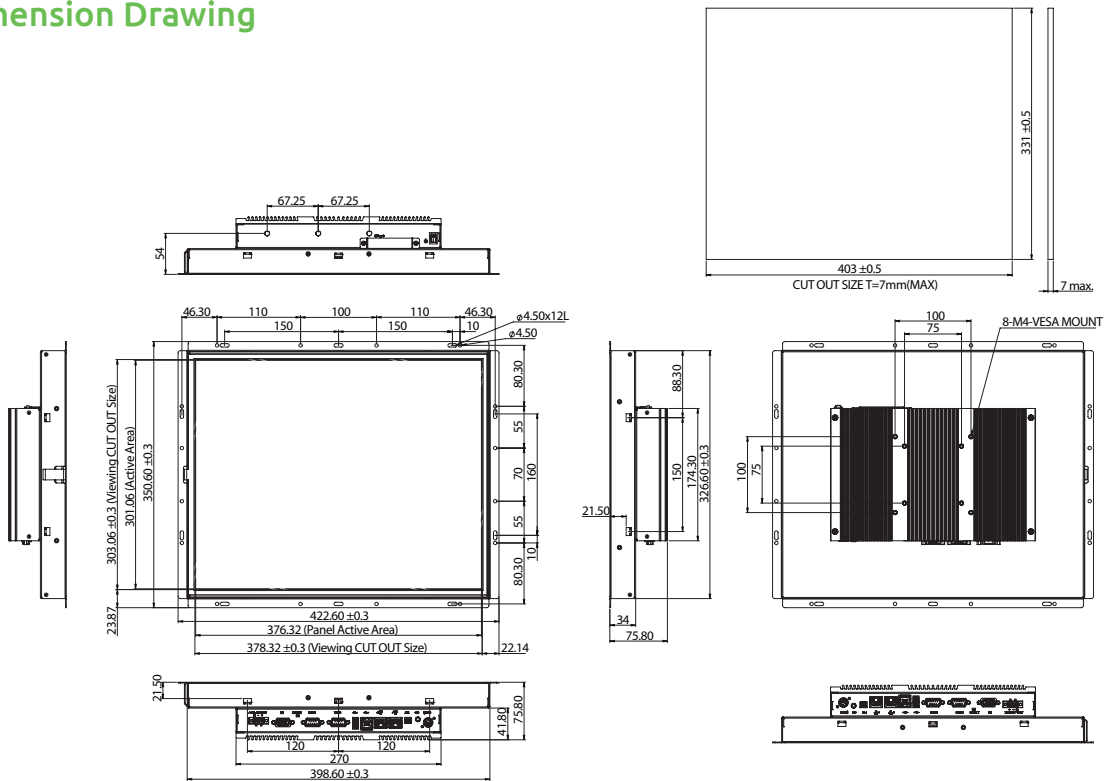
- ♦ LAN chip: dual Intel® I210AT Gigabit LAN
- ♦ Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

### Mechanical & Environment

- ♦ Mounting: panel/wall/stand/VESA 100mm x 100mm



## Dimension Drawing



- Power input: 12~30VDC
- Power adapter: Optional AC to DC power adapter (+12V, 60W)
- Vibration:
  - IEC 68 2-64 (w/ HDD)
  - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
  - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
  - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
  - IEC 68 2-27
  - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -5°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 422.6(W) x 350.6(H) x 73.2(D)mm
- Weight: 6.15Kg

### Certifications

- CE approval
- FCC Class A

### OS Support Lists

- Windows 8 32bit/64bit
- Windows 7 32bit/64bit
- WinCE 7.0

## Ordering Information

### Barebone

- ♦ **OPPC 1940T (P/N: 90IQ1940T00X0)**  
19" S XGA LED backlight touch Panel PC with Intel® Atom™ E3826 1.46 GHz, touch screen, 2GB DDR3L with 2x RS232/422/485

### Options

- ♦ **12V, 60W AC/DC power adapter w/o power cord**  
(P/N: 7400060017X00)