OPPC 1240T

Main Features

- 4:3 12.1" SVGA fanless LED 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 4GB/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 12.1" 4:3 touch screen LCD panel with resolutions up to 1024 x 768 (XGA) 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 OPPC 1240T are fanless panel PC based on the Atom® E3826 processor. The OPPC 1240T 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 12V~30V, OPPC 1240T can gain a strong foothold in industrial field and machine devices. In addition, OPPC 1240T can hook 2nd display via a VGA port for dual independent display. OPPC 1540T has two isolated RS232/422/485 ports.

Specifications

Panel
- LED Size: 12.1", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 350cd/m²
- Contrast ratio: 800
- LCD color: 16.7M
- Viewing angle: 80(U), 80(D), 80(L), 80(R)
- Backlight: LED

Touch
- 5-wire resistive
- Light transmission: 80%
- Interface: USB

System
- CPU: On-board dual core Intel Atom® processor E3826 1.46GHz, 1M L2 Cache
- Processor: Intel® Celeron® J1900 processor, 4C, 2.0GHz, 2MB Cache (optional)
- BIOS: AMI BIOS
- System memory: 22 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB 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℃)
- H/W status monitor: Monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module)

Rear I/O
- PS2 keyboard/mouse
- Audio port: 1x Line-out
- Remote power switch
- Ethernet: 2x RJ45
- USB: 2 x USB 2.0; 1 x USB 3.0
- COM #1: RS232/ 422/ 485
- COM #2: RS232/ 422/ 485
- Reset button
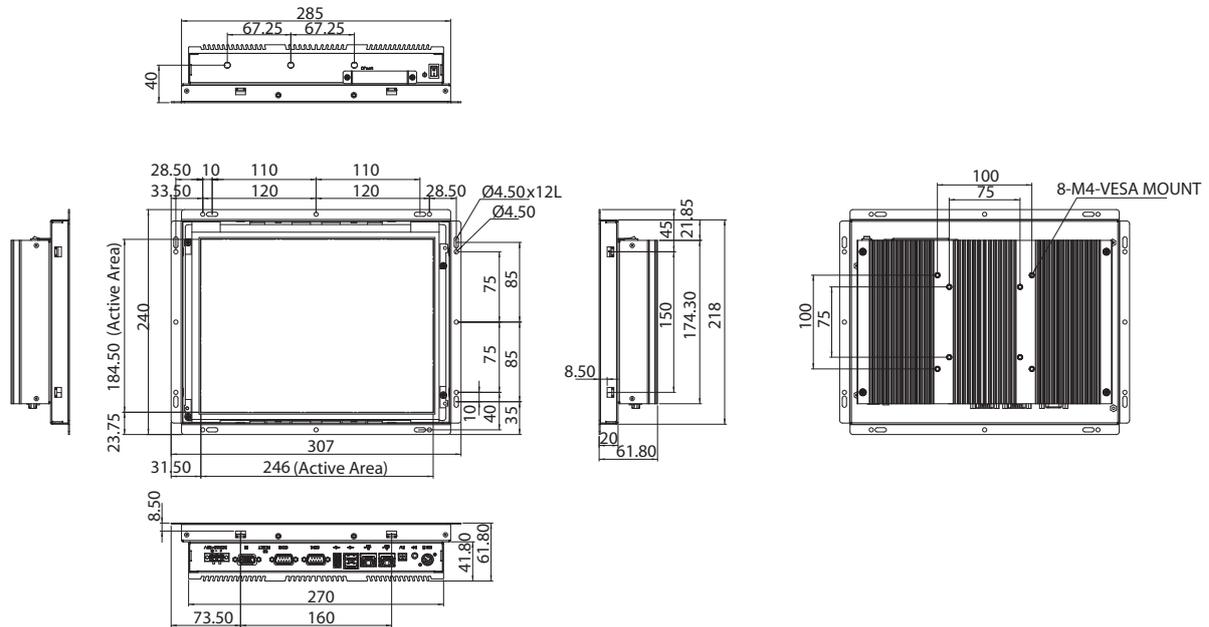- 2nd display VGA port: 1 x DB15
- Power switch

Audio
- AC'97 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

Dimension Drawing

Mechanical & Environment

- Mounting:
  Panel/wall/stand/VESA 100mm x 100mm
  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 @ 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: 307 x 240 x 61.8mm
- Weight: 3.8kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

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

Ordering Information

Barebone

- **OPPC1240T (P/N: 90IQ1240T00X0)**
  12" TFT XGA 4:3 Fanless Open Frame PC with Intel Atom® E3826 1.46 GHz, touch screen, 4GB DDR3L, 3 x USB, 2 x COM and VGA

Options

- **12V, 60W AC/DC power adapter w/o power cord**

  (P/N: 7400060031X00)