

OPPC 1730T

17" TFT SXGA 4:3 Fanless Open Frame PC with Intel® Atom™ D2550, 1.86GHz,
Touch Screen, 2GB DDR3, 4 x USB, 2 x COM and VGA



Main Features

- 4:3 17" Fanless Panel Computer
- Intel® Atom™ D2550, Dual Core, Low Consumption CPU
- Dual GbE/2nd Display-VGA and HDMI/Line-in/Line-out/MIC-in
- 4 x USB/2 x Mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- DDR3 2GB/2.5" HDD Bracket
- Optional 3.5G/Wi-Fi Module/2.5" HDD/Panel Mount Kit
- Open Frame and Panel Mount/VESA Mount Compliance
- Wide Range Power Input 12~30VDC

Product Overview

OPPC 1730T fanless Panel PCs are powered by Intel® Atom™ D2550 processor with Intel® NM10 EXPRESS chipset and support for DDR3 memory. OPPC 1730T incorporates a 17" 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.

OPPC 1730T is designed to meet the requirements of vertical market segments, such as Kiosk, ATMs, and vending machines. Customers also benefit from various mounting options, including open frame mount from both rear and front sides, VESA mount, wall mount and panel mount. This versatility gives users a quick route to market for a customized Panel PC.

Specifications

Panel

- LED Size: 17", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing Angle: 80(U), 80(D), 85(L), 85(R)
- Backlight: LED

Touch

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

System

- CPU: On-board Intel® Atom™ Dual Core processor D2550, 1.86GHz, 1M L2 Cache
- BIOS: AMI BIOS
- System chipset: Intel® NM10 Express chipset
- System memory: 2 x 204-pin DDR3 SO-DIMM socket, 2GB DDR3 (Default), Support up to 4GB DDR3-800/1066, 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 or 3.5G module)

Rear I/O

- COM #1: RS232/422/485 w/ RI or 5V selection
- COM #2: RS232/422/485 w/ RI or 12V selection
- Ethernet: 2 x RJ45
- 2nd display port: VGA (1 x DB15) and HDMI
- Audio port: 1 x Line-out; 1 x Line-in; 1 x MIC-in
- USB: 4 x USB2.0
- Power switch
- Reset button

Audio

- HD Codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/MIC-in Audio Jack

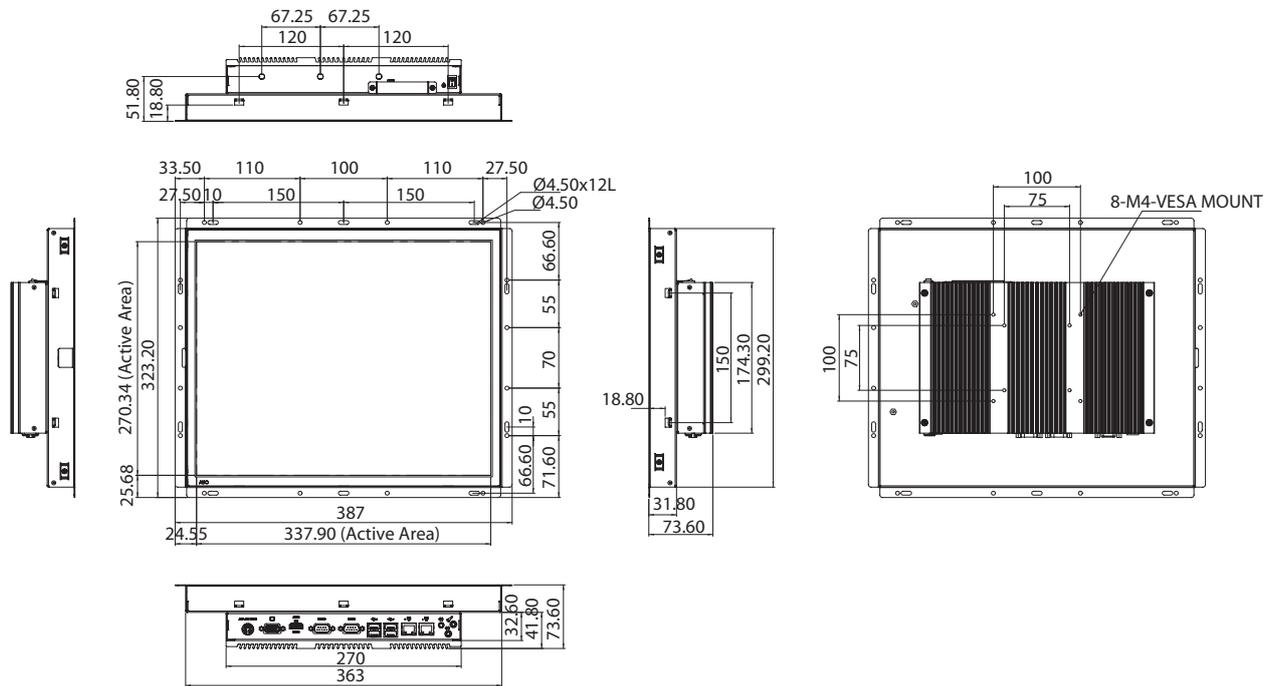
Ethernet

- LAN chip: dual Intel® 82574L Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- Front panel open frame

Dimension Drawing



- Mounting:
 - Open frame mount
 - Panel/wall/stand/VESA 75 x 75; 100mm x 100mm
- Power input: 12~30VDC
- Power adapter: Optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 0.5Grms @ sine, 5~500Hz, 1hr/axis (HDD 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: 20%~80% relative humidity, non-condensing
- Dimension: 387 x 323.2 x 73.6mm
- Weight: 5.6 Kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

- Windows XP 32bit
- Windows 7 32bit
- WinCE 7.0

Ordering Information

Barebone

- **OPPC 1730T (P/N: 90IQ1730T00X0)**
17" TFT Open Frame PC with Intel® Atom™ D2550 1.86GHz, touch screen, 2GB DDR3, COM#1/#2

Options

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