

# OPPC 1540HT-J1900

15" TFT XGA 4:3 Fanless Open Frame PC with  
Intel® Celeron® J1900, 2.0GHz, 1000 nits



## Main Features

- ♦ 4:3 15" XGA Fanless Panel Computer
- ♦ Intel® Celeron® J1900, Quad core, low power consumption CPU
- ♦ 1000 nits High brightness
- ♦ 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 15" 4:3 touch screen LCD panel with resolutions up to 1024 x 768 (XGA) and 1000 nits high 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 1540HT-J1900 are fanless Panel PC based on the Celeron® J1900 processor. The OPPC 1540HT-J1900 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 1540HT-J1900 can gain a strong foothold in industrial field and machine devices. In addition, OPPC 1540HT-J1900 can hook 2nd display via a VGA port for dual independent display. OPPC 1540HT-J1900 has two isolated RS232/422/485 ports.

## Specifications

### Panel

- ♦ LED size: 15", 4:3
- ♦ Resolution: XGA 1024x768
- ♦ Luminance: 1000 cd/m<sup>2</sup>
- ♦ Contrast ratio: 2500
- ♦ LCD color: 16.2M
- ♦ Viewing angle: 88(U), 88(D), 88(L), 88(R)
- ♦ Backlight: LED

### Touch

- ♦ 5-wire resistive
- ♦ Touch light transmission: 81%
- ♦ Touch interface: USB

### System

- ♦ CPU: On-board Intel® Celeron®, Quad core processor J1900, 2.0GHz, 2M L2 Cache
- ♦ BIOS: AMI BIOS
- ♦ System memory: 2 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 1x 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

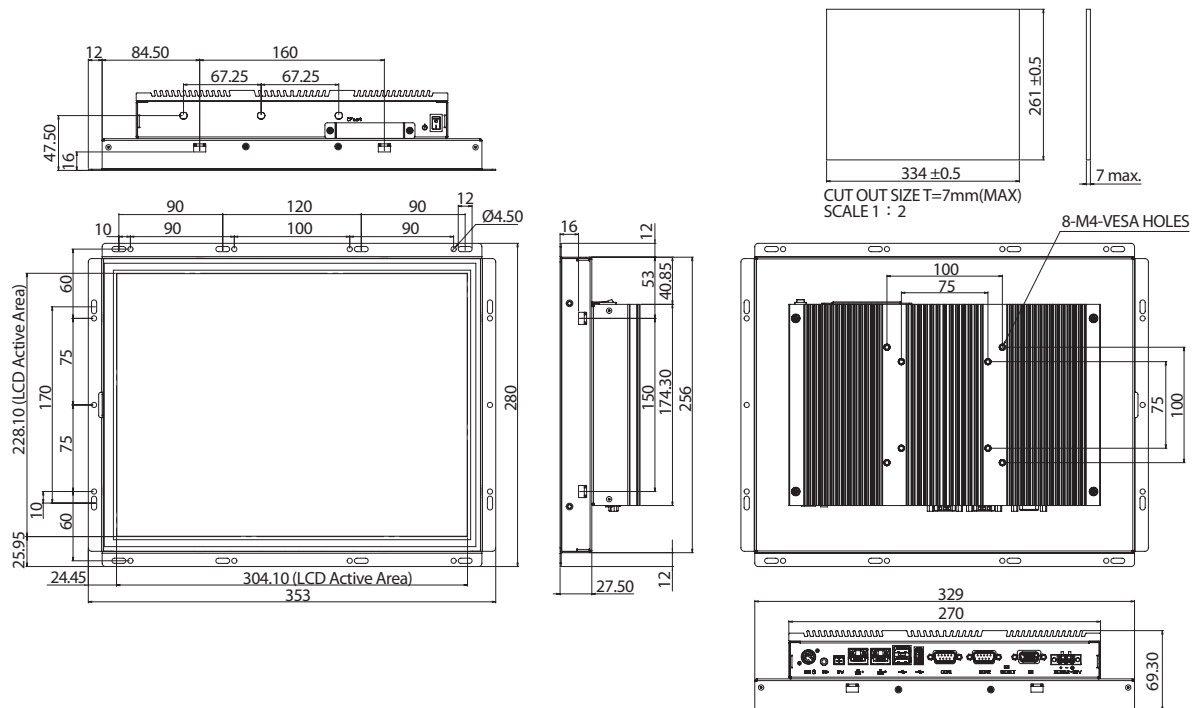
### Ethernet

- ♦ 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
- ♦ Power input: 12~30VDC

## Dimension Drawing



- 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: 329 x 280 x 69.3mm
- Weight: 4Kg

### Certifications

- CE approval
- FCC Class A

### OS Support Lists

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

## Ordering Information

### Barebone

- **OPPC 1540HT-J1900 (P/N: 90IQ1540H00X0)**  
15" XGA LED backlight touch Panel PC with Intel® Celeron® J1900, 2.0GHz, 1000 nits, touch screen, 4GB DDR3L with 2x RS232/422/485

### Options

- **12V, 60W AC/DC power adapter w/o power cord**  
(P/N: 7400060031X00)