OPPC 1940HT-J1900

19" TFT SXGA 4:3 Fanless Open Frame PC with Intel® Celeron™ J1900, 2.0GHz, 1000 nits





Main Features

- 4:3 19" SXGA 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 19" 4:3 touch screen LCD panel with resolutions up to 1280 x 1024 (SXGA) and 1000 nits high brightness. It is specially designed with bezelless display which allows customers to design front bezel according to their application requirements without any limitation. The OPPC 1940HT-J1900 are fanless Panel PC based on the Celeron™ J1900 processor. The OPPC 1940HT-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 $12\sim30$ VDC, OPPC 1940HT-J1900 can gain a strong foothold in industrial field and machine devices. In addition, OPPC 1940HT-J1900 can hook 2nd display via a VGA port for dual independent display. OPPC 1940HT-J1900 has two isolated RS232/422/485 ports.

Specifications

Panel

- LED size: 19", 4:3
- Resolution: SXGA 1280x1024
- Luminance: 1000 cd/m²
- 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® 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(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-PCle 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

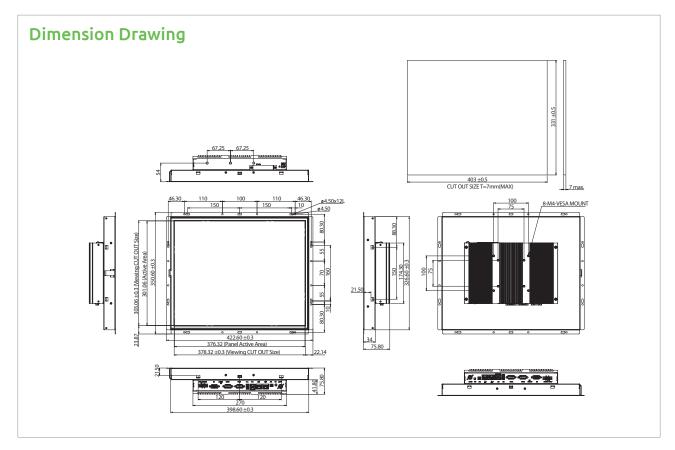
Ethernet

- 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





- 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 1940HT-J1900 (P/N: 90IQ1940H00X0)

19" SXGA 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)

NECOM

We reserve the right to change specifications and product descriptions at any time without prior notice.

Open Frame Panel PC