

## OPC-1850

Fanless Open Frame Panel PC with Dual Core Intel®  
Atom™ Processor D2550



- 18.5" LCD Display with 1366x768 resolution
- Intel® Atom™ Processor D2550 / Intel® NM10 Express chipset
- Intel® Graphics Media Accelerator 3650
- DDR3 800/1066 MHz memory support up to 4GB
- 1x HDMI, 1x DP, 1x VGA
- 4x USB2.0, 1x COM, 2x GbE LAN, 1xSATA, 1x Power button
- 1x Mini-PCIe slot supported
- Fanless design



## OPC-1850

### Product Overview

The OPC-1850 is a fanless open frame Panel PC w/ Dual Core based on Intel® Atom™ Processor D2550 with the high integration of the Intel® NM10 Express chipset. Featured are DDR3 800/1066 SO-DIMM up to 4GB, 18.5" LCD Display with 1366x768 resolution, 1x Display Port, HDMI, VGA, 2x Gigabit Ethernet, 1x SATA, 1x mini PCIe slot, 4x USB 2.0, 1x COM port, 1x Power button.

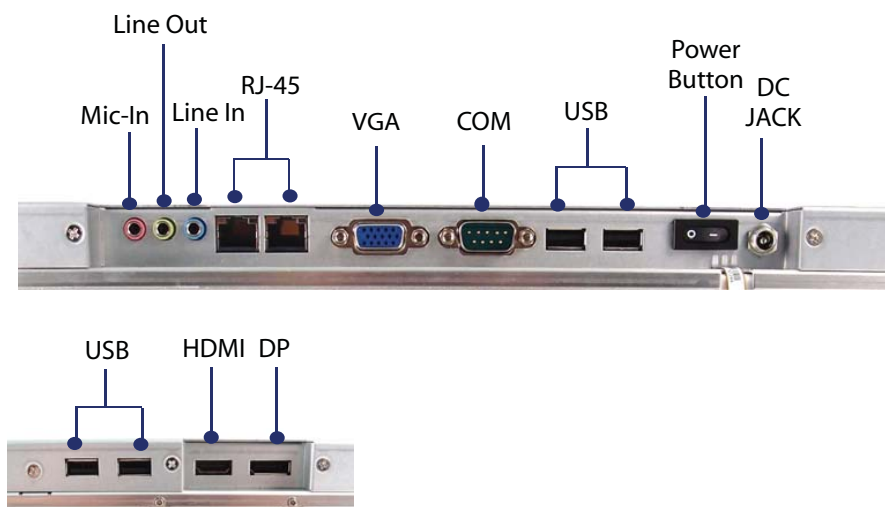
The OPC-1850 provides a compact, high performance human machine interface, with optimal shock, vibration and temperature resistance for tough industrial demands.

### Technical Information

<b>CPU Support</b>
Intel® Atom™ Processor D2550 (1M Cache, 1.86 GHz)
<b>Chipset</b>
Intel® NM10 Express Chipset
<b>Memory</b>
1x Single Channel DDR3 800/1066MHz SODIMM support (4GB max)
<b>BIOS</b>
AMI Plug & Play SPI BIOS
<b>Graphic</b>
Intel® Graphics Media Accelerator 3650
<b>LCD Display</b>
Size: 18.5inch, 16:9 Resolution: 1366 x 768 Backlight: LED Contrast Ratio: 1000:1 (typical) Brightness: 250cd/m2 (typical)
<b>Touch Sensor</b>
Optional 5-wire resistive touch sensor
<b>External Display</b>
1x HDMI 1x Display Port 1x VGA
<b>LAN</b>
2x Gigabit Ethernet (Realtek RTL8111E) PXE/WOL supported
<b>Audio</b>
Realtek ALC662 HD Codec w/ 2W Audio Amplifier Mic-In, Line-In, Line-Out Supported

<b>Storage</b>
1x 2.5" SATA HDD or SSD space
<b>USB</b>
4x USB 2.0
<b>COM</b>
1x COM port with RS-232/422/485 selection supported
<b>Expansion slot</b>
1x Mini-PCIe slot ( For optional WiFi module)
<b>Hardware Monitor</b>
Operating voltage, CPU temperature
<b>Watchdog Timer</b>
1-255 step, can be set with software on Super I/O
<b>Power</b>
DC 12V Input
<b>OS Support</b>
Windows 7
<b>Dimensions</b>
Dimension: 461 x 285.8 x 32.5 (W x D x H)(mm)
<b>Environment</b>
Operation Temp: 0°C - 50°C Storage Temp.: -20°C - 60°C Humidity: 0% - 95%
<b>Certification</b>
CE, FCC Class A

### OPC-1850 I/Os



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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