

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-PCle slot supported
- Fanless design



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

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

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

OPC-1850 I/Os

