

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



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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.

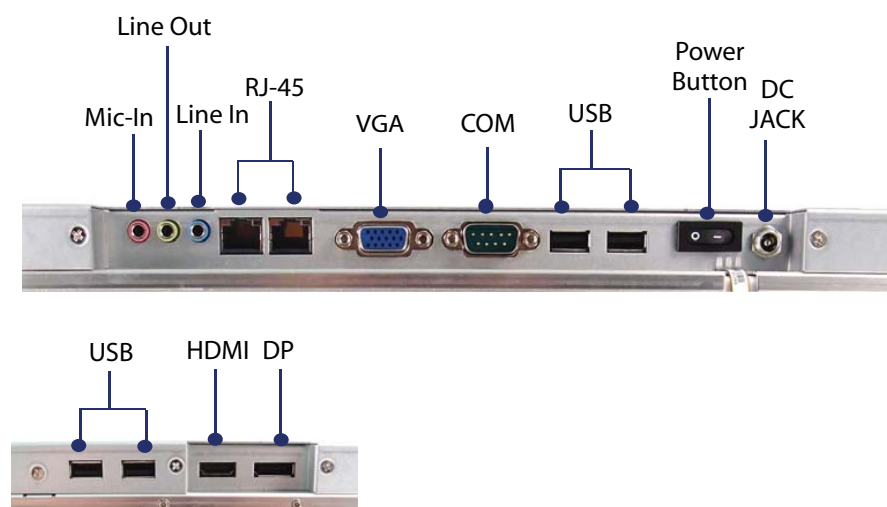
The OPC-1850 provides a compact, high performance human machine interface, with optimal shock, vibration and temperature resistance for tough industrial demands.

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-PCIe 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



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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