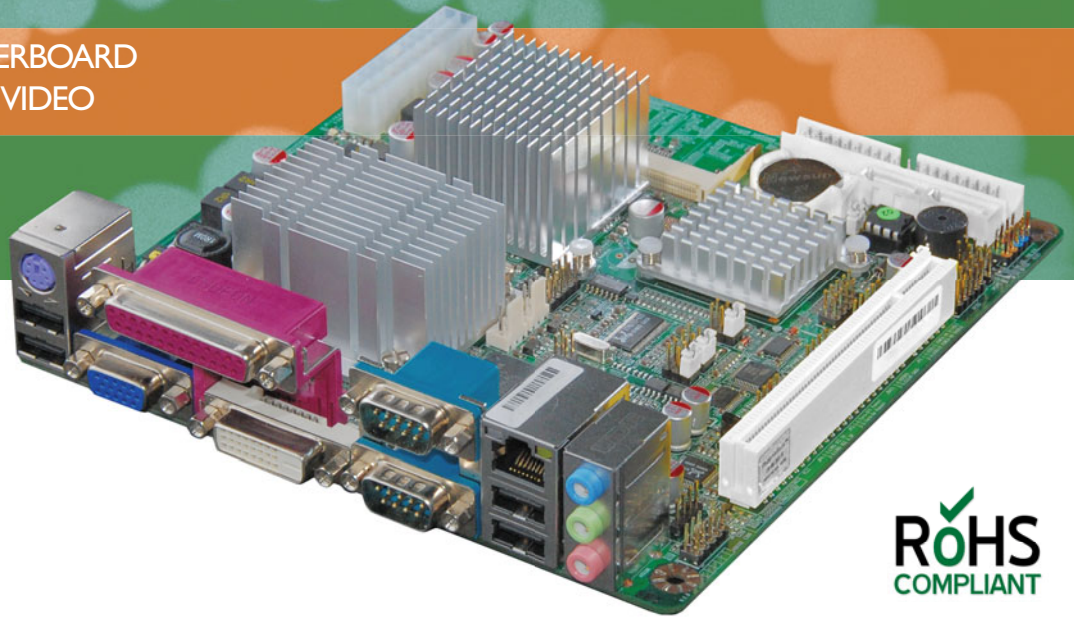


270ITX™

LOW POWER MINI ITX BOARD FEATURING THE INTEL® ATOM® PROCESSOR

COMPACT, FANLESS MOTHERBOARD
WITH BUILTIN AUDIO AND VIDEO



PRODUCT HIGHLIGHTS

- Efficient Fanless Design, Featuring the Atom® N270 Processor
- VGA, DVI Sockets with LVDS and HD Component Video Headers
- 10/100/1000 Ethernet Data Port
- (8) Eight Total USB Ports: (2) sockets, (2) 2-port headers)
- DDRII 400/533 RAM Socket Expandable Up to 2GB
- Realtek 5.1 Channel Audio
- Five (5) to Eight (8) Year Guaranteed Production

The 270ITX™

is a small form factor fanless motherboard from Corvalent featuring the Intel® Atom® processor. Ideal for kiosks, digital signage, gaming, industrial automation and more! Multiple video connections including VGA, DVI, LVDS, and HD Component, provide connectivity to almost any video device available today.

APPLICATIONS

- Digital Security and Surveillance
- Digital Signage
- Gaming
- Industrial Automation/ Control
- Medical
- Retail (POS/Kiosk/ATM)
- In-Vehicle Infotainment
- Networking/Storage Server/Mail Server/Print Server
- Thin Client
- Network Appliance

The 270ITX™ also features built-in 6ch digital audio, Gigabit Ethernet, (2) SATAII ports, PS2 Keyboard socket, (2) serial data ports, IDE Connector, parallel port, internal RS232 and RS232/485 headers, and more. In other words, it is a fully equipped, energy efficient, fanless motherboard, ready to tackle your most demanding embedded computing tasks.

Ideal for incorporation into our industrial touch screen enclosure series for a complete, low power touch screen PC system. Visit www.corvalent.com today to learn more about this and our other exciting line of industrial motherboards and systems that can be customized to the exact specifications of your project.



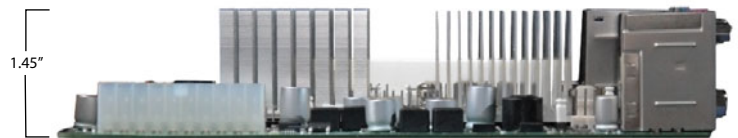
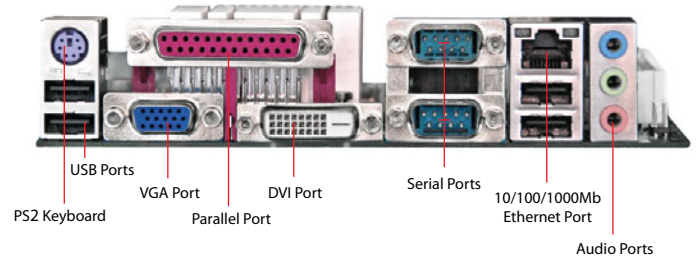
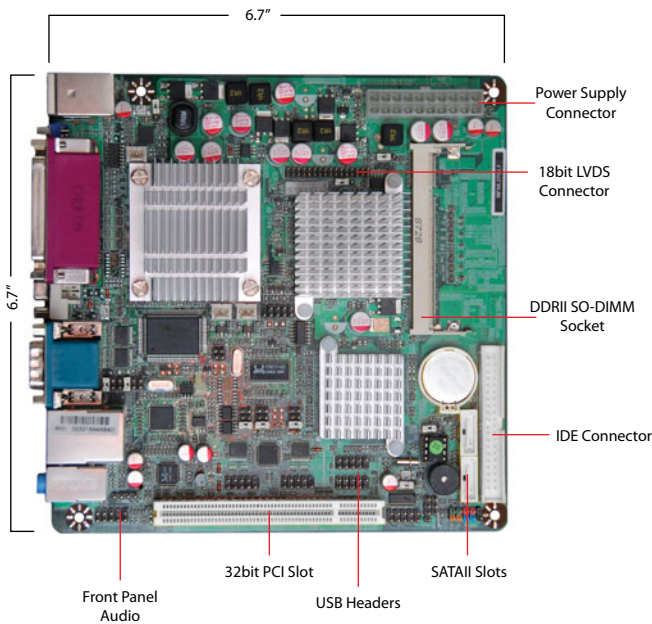
OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment. This product is backed by a five (5) to eight (8) year production life cycle guarantee.



270ITX™

LOW POWER MINI ITX BOARD FEATURING THE INTEL® ATOM™ PROCESSOR



TECHNICAL SPECIFICATIONS

Form Factor	Mini ITX
Dimensions	6.7" x 6.7" (170mm 170mm)
Microprocessor	Atom® N270 @ 2.5W (512K Cache, 1.6 GHz)
Chipset	Intel® 945GSE + ICH7M @ 11.8W
Front Side Bus	533MHz
Memory	One (1) DDR2 400/533 SO-DIMM slot (up to 2 GB)
System Bus	One (1) 32-bit PCI Slot
Onboard I/O	Two (2) Serial Headers (RS232/422/485) One (1) IDE Connector (UDMA 33/66/100) Two (2) SATA 3GB/s Connectors (8) Eight Total USB 2.0 Inputs: (4) external, (2) USB Pin Headers Provide (4) Internal Ports One (1) HDTV Component Out header One (1) 18bit LVDS headers One (1) GPIO header One (1) 9-pin Audio Connector One (1) Front Panel Connector Three (3) Fan Headers One (1) PS/2 Keyboard Connector One (1) Parallel Port Two (2) Serial Ports One (1) VGA Connector One (1) DVI-D Connector Three (3) 3.5mm Audio Ports with S/PDIF One (1) 24-pin ATX Power Connector

Video Graphics	Intel GMA950 Integrated Graphics
Ethernet	Realtek RTL8111C PCI-E Gigabit Ethernet
Audio	Realtek ALC662 5.1 Channel Audio
Industrial Devices	Hardware Monitoring For Temperature And Voltage Sensing
BIOS	Award® 8MB SPI/DIP Flash ROM
Battery	Removable Lithium Battery For CMOS Memory
Operating Temp	0°C to 60°C
Non-Operating	-20°C to 85°C
Op. Humidity	5 to 95% @ 40°C non-condensing
Non-Operating	5 to 95% @ 40°C non-condensing
Part Number	G27IX

CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

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