

QM571X™

POWERFUL MINI ITX BOARD FEATURING THE INTEL® i7 & i5 MOBILE PROCESSORS

ULTRA-COMPACT INDUSTRIAL
MOTHERBOARD WITH PCI EXPRESS x16



PRODUCT HIGHLIGHTS

- Supports the Powerful i7 and i5 Series Mobile Processors
- Full 16x PCIe Expansion Slot
- DVI, VGA & LVDS Video
- (2) Gigabit Ethernet Data Ports
- (10) Total USB Ports:
(6) External, (4) Internal
- (2) DDR3 1066 / 800 RAM Sockets
Expandable Up to 8GB
- (4) Serial Ports
- 7 to 10 Year Guaranteed
Production

The QM571X™

is a small form factor motherboard from Corvalent supporting the powerful Intel® i7 or i5 family of processors. Ideal for kiosks, medical imaging, military imaging, gaming, industrial automation and more! The QM571X supports dual independent video outputs via DVI, VGA or LVDS ports for easy connectivity to almost any video device available.

APPLICATIONS

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

The QM571X™ also features RAID 0,1,5,10 (Intel Matrix Storage), a full x16 PCI Express Slot, and more! The QM571X is a powerful, fully equipped, ultra-compact motherboard, ready to tackle your most demanding computing tasks.

Ideal for military, medical, and remote applications where compact size, and raw computing power, yet low power consumption are important concerns.

Visit www.corvalent.com today to learn more about this and our powerful line of industrial motherboards and computer systems that can be customized to the exact needs and specifications of your project.



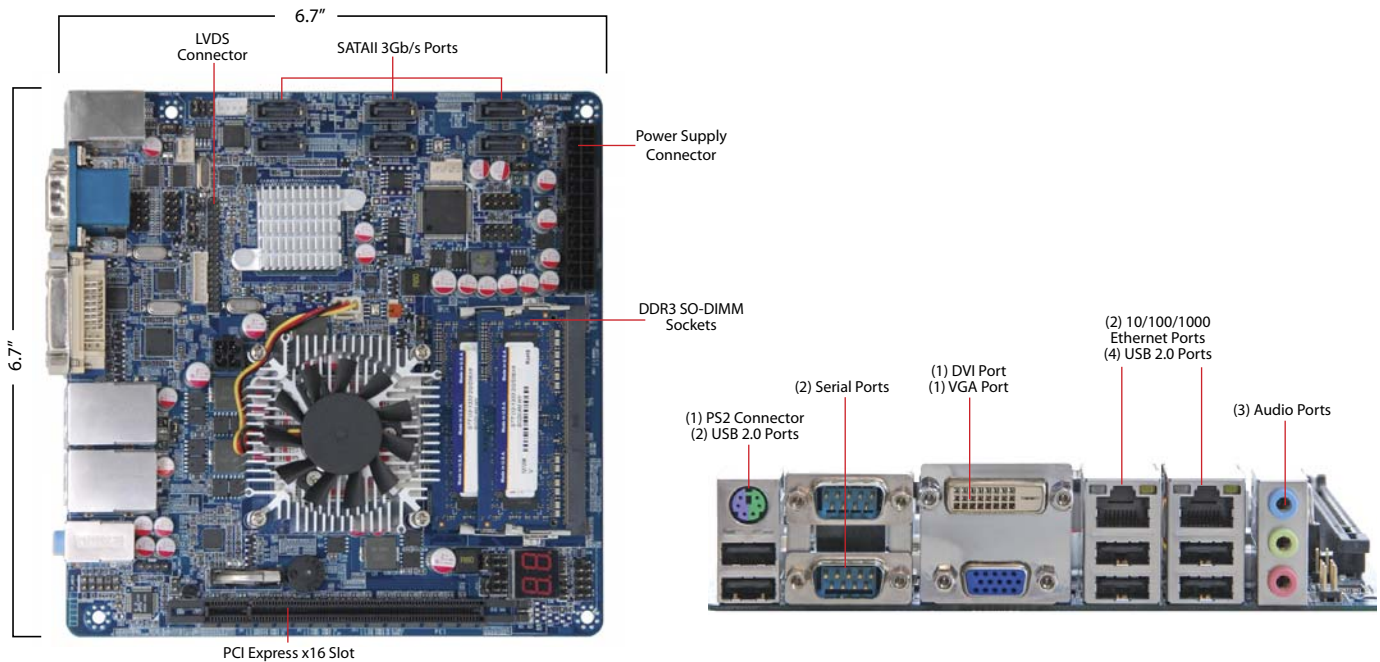
OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment. This product is backed by a 7 to 10 year production life cycle guarantee.



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TECHNICAL SPECIFICATIONS

Form Factor	Mini ITX	Ethernet	Intel 82577LM PHY PCI-E Gigabit Ethernet Intel 82574L MAC/PHY PCI-E Gigabit Ethernet
Dimensions	6.7" x 6.7" (170mm 170mm)	Audio	Realtek ALC888 6ch Audio (SPDIF)
Microprocessor	Core® i7-620M (4M Cache, 2.66 GHz) and Core® i5-520M (3M Cache, 2.4 GHz) Celeron® P4500 (2M Cache, 1.86GHz) Socket G (rPGA 988A)	Industrial Devices	Hardware Temperature Monitoring, Voltage Sensing, Watchdog Timer
Chipset	Intel® QM57 Express @ 3.5W	BIOS	AMI [EFI BIOS] 64M SMT Flash ROM
Memory	Two (2) DDR3 800/1066 SO-DIMM sockets (up to 8 GB unbuffered memory)	Battery	Removable Lithium Battery For CMOS Memory
System Bus	One (1) PCIe x16 Socket (full 16x speed)	Operating Temp	0°C to 65°C
Onboard I/O	Six (6) SATAIII 3GB/s Connectors (10) Ten Total USB 2.0 Inputs: (6) external, Two USB Pin Headers Providing (4) Internal Ports Two (2) External DB9 Serial Ports One (1) Internal (RS232/422/485) Serial Port One (1) Internal RS232 Serial Port One (1) PS/2 Keyboard / Mouse Combo Port One (1) 10-pin Audio Connector One (1) Front Panel Connector Three (3) Fan Headers Three (3) 3.5mm Audio Ports One (1) 24-pin ATX and 4-pin auxiliary 12V Power Connectors	Non-Operating	-40°C to 75°C
Video Graphics	Intel Integrated Video Graphics One (1) DVI Connector, One (1) VGA, One (1) LVDS header (18/24bit : 1, 2 channels) Extended Desktop (Dual Video) Supported	Op. Humidity	5 to 95% @ 40°C non-condensing
		Non-Operating	5 to 95% @ 40°C non-condensing
		Part Number	G57IX

CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

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