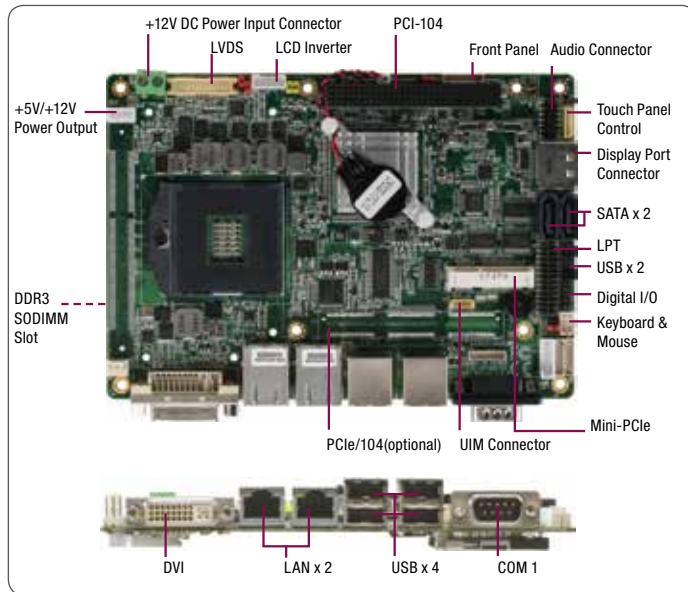


EPIC-QM57

EPIC Express Board with Intel® Core™ i7/ i5/ Celeron® (32nm) Processor



Features

- Intel® Core™ i7/ i5/ Celeron® (32nm) Processor
- Intel® QM57
- DDR3 800/1066 MHz SODIMM, Up to 4 GB, 8 GB (Optional)
- Gigabit Ethernet x 2, RJ-45 x 2
- Up to 18/24-bit Dual-channel LVDS LCD, CRT, DVI, DisplayPort™ (Optional)
- 2CH HD Audio
- SATA 3.0 Gb/s x 2, Type 2 CompactFlash™
- USB2.0 x 6, COM x 4, 8-bit Digital I/O
- PCI-104, PCIe/104 (Optional), Mini-Card x 1
- Supports iAMT6.0, RAID 0 & 1 (Optional)
- +12V, AT/ATX

Specifications

System	
Form Factor	EPIC Express Board
Processor	Intel® Core™ i7/ i5/ Celeron® (32nm) (Socket-988)
System Memory	204-pin DDR3 800/1066 MHz SODIMM, up to 4 GB (optional up to 8 GB)
Chipset	Intel® QM57
I/O Chipset	ITE8781
Ethernet	10/1000/1000Base-TX x 2 (Intel® 82577LM and Intel® 82574L respectively), RJ-45 x 2
BIOS	AMI Plug & Play BIOS – 8 MB Flash
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports Power Supply Voltage, Fan Speed and Temperature Monitoring
Expansion Interface	PCI-104, Mini-Card, PCIe/104 (optional)
Battery	Lithium battery
Power Requirement	+12V, AT/ATX (default)
Power Consumption (Typical)	Intel® i7-620M, DDR3 1066 MHz, 1 GB 4.02A@+12V
Board Size	4.5" x 6.5" (115mm x 165mm)
Gross Weight	1.2 lb (0.5 Kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	70,000
Display	
	Supports CRT/ LCD/ DVI simultaneous/ dual view display
Chipset	Intel® CPU integrated
Memory	Shared system memory up to 512 MB
Resolutions	Up to 1920 x 1440@colors for CRT Up to 1920 x 1200 for DVI/LCD
LCD Interface	18/24-bit dual-channel LVDS
I/O	
Storage	SATA 3.0 Gb/s x 2 (RAID 0,1 optional), Type 2 CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel	SPP/EPP/ECP Mode
USB	USB2.0 x 6
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
Audio	Line-in/ Line-out/ CD-in & MIC-in
Touch Screen (Optional)	Supports 4/5-wire resistive touch screen



Packing List

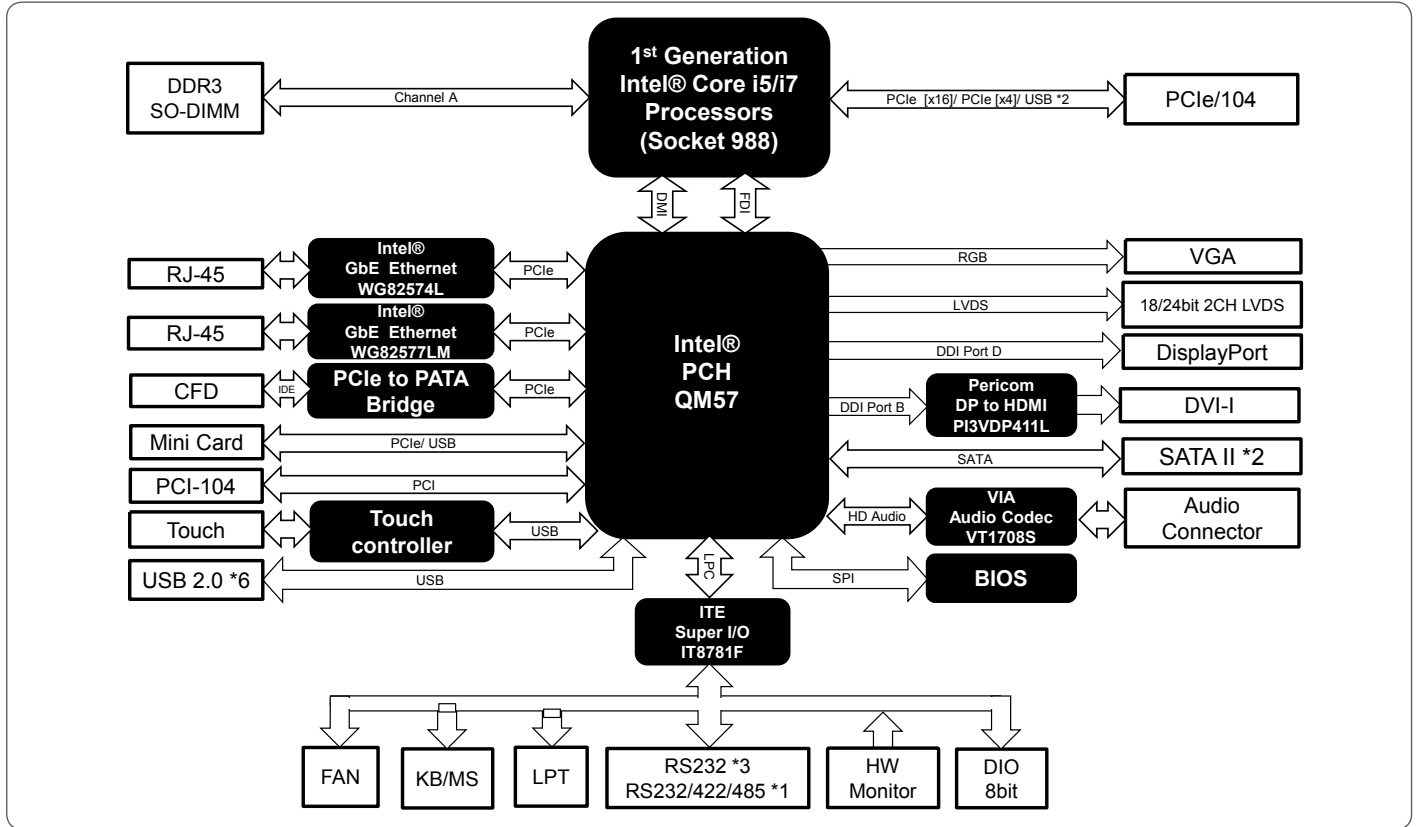
- **1654929900**
DVI to CRT Adapter
- **1700060157**
Keyboard/ Mouse Cable
- **17592QM575**
CPU Cooler
- **Product DVD**
- **EPIC-QM57**

Optional Accessories

- **1700290150**
DVI-I to DVI + VGA Cable, Length 15cm
- **1700060157**
KB/Mouse Cable
- **TF-PER-C41C-A10**
4 COM Ports Mini-Card

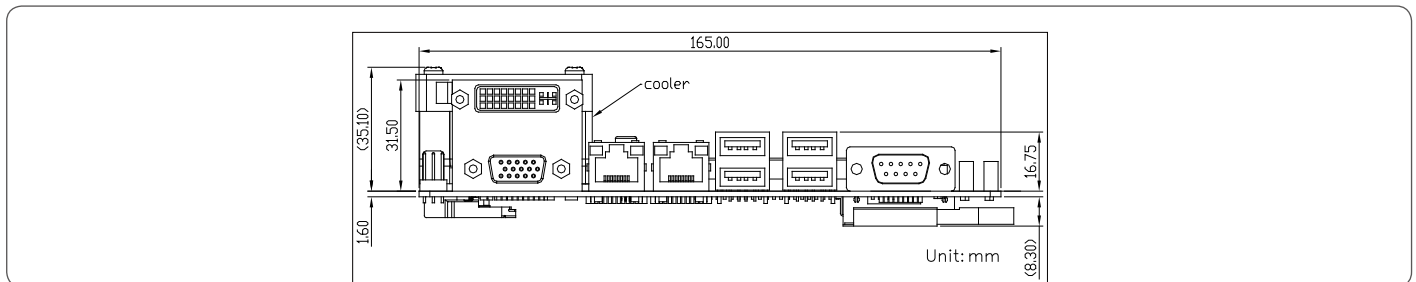
EPIC-QM57

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
EPIC-QM57-A12	Socket 988	DDR3 (Max. 4 GB)	Fan	DVI+ LVDS	24b 2CH	SATA x 2, CF x 1	GbE x 2	USB2.0 x 6	3	1	Mini-Card x 1, PCI-104 x 1	+12V (ATX)	0°C ~ 60°C	LPT, DIO 8-bit, Audio, PS/2