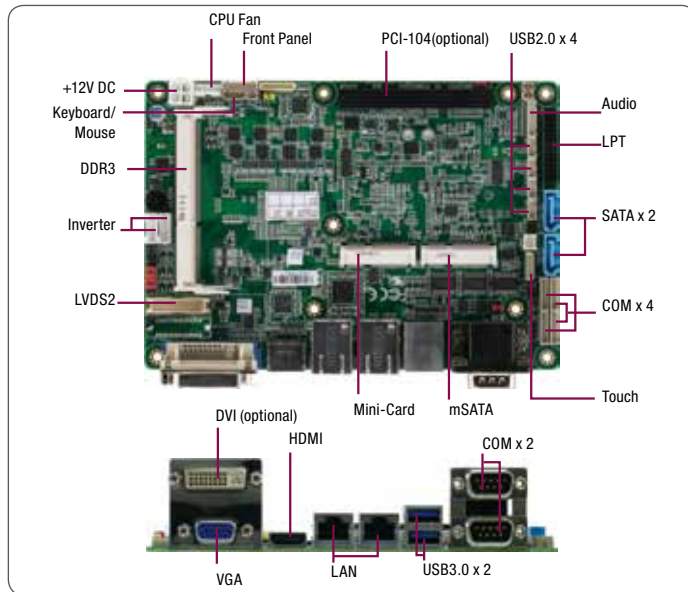


EPIC-QM77

EPIC Board with Onboard Intel® Core™ i7-3555LE/ Celeron® 847E Processor



Features

- Onboard Intel® Core™ i7-3555LE/ Celeron® 847E Processor
- Intel® 3rd Generation Core™ i Series + QM77/HM76
- 204-pin SODIMM DDR3 1333/1600 MHz, Up to 8 GB
- Intel® 82579LM x 1/ Intel® 82583V x 1, 10/100/1000Base-TX Ethernet, RJ-45 x 2
- 18/24-bit Single/Dual-Channel LVDS, CRT, DVI-I (Optional), HDMI
- 2CH HD Audio
- SATA 6.0 Gb/s x 2, mSATA (Full-Size) Slot x 1
- USB 3.0 x 2, USB2.0 x 4, COM x 6
- Mini-Card x 1, 16-bit Digital I/O Co-lay with LPT, PCI-104 (Optional), TPM (Optional), Touch (Optional)
- +12V, AT/ATX (Default)
- CPU and PCH On Solder Side For Easy System Integration
- Supports Triple Simultaneous Display
- Supports iAMT8.0 and RAID 0,1 For QM77 Chipset
- Supports AAEON Hi-Safe/Hi-Manager SDK & Utility

Specifications

System	
Form Factor	EPIC
Processor	Intel® 3rd Generation Core™ i7-3555LE/Celeron® 847E
System Memory	204-pin SODIMM DDR3 1333/1600 MHz up to 8 GB
Chipset	Intel® 3rd Generation Core™ i7-3555LE + QM77; Intel® Celeron® 847E + HM76
I/O Chipset	Fintek 81866D
Ethernet	Intel® 82579LM x 1/Intel® 82583V x 1, 10/100/1000Base-TX, RJ-45 x 2
BIOS	UEFI
Wake On LAN	Yes
Watchdog Timer	Programmable 255 level System Reset
H/W Status Monitoring	Supports Power Supply Voltage, FAN Speed and Temperature Monitoring
Expansion Interface	Mini-Card, TPM(optional), PCI-104 (optional, for EPIC-QM77-A10-01 only)
Battery	Lithium battery
Power Requirement	+12V, AT/ATX (default)
Power Consumption (Typical)	Intel® Core™ i7-3555LE 2.5 GHz, 8 GB 3.04A@+12V
Board Size	4.5" x 6.5"(115mm x 165mm)
Gross Weight	1.2 lb (0.5 Kg)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	88,000
Display	
	Supports CRT/LCD/HDMI/DVI simultaneous/Dual view displays
Chipset	Intel® QM77/HM76 integrated
Resolution	Up to 2048 x 1536 for CRT, Up to 1920 x 1200 for HDMI/ DVI(optional) Up to 1920 x 1080 for LCD
LCD Interface	Up to 24-bit Dual-Channel LVDS x 1
I/O	
Storage	SATA 3.0 Gb/s x 2, mSATA x 1
Serial Port	RS-232 x 5, RS-232/422/485 x 1 (COM2)
Parallel Port	SPP/EPP/ECP x 1
USB	USB 3.0 x 2, USB 2.0 x 4
PS/2 Port	Keyboard x 1, Mouse x 1
DIO	Digital I/O Support 16-bit (Programmable) Co-lay with LPT
Audio	Line-in/ Line-out/ Mic-in, Audio Amp. (2W) optional
Touch Screen	Supports 4/5-wire resistive touch screen (optional)



Packing List

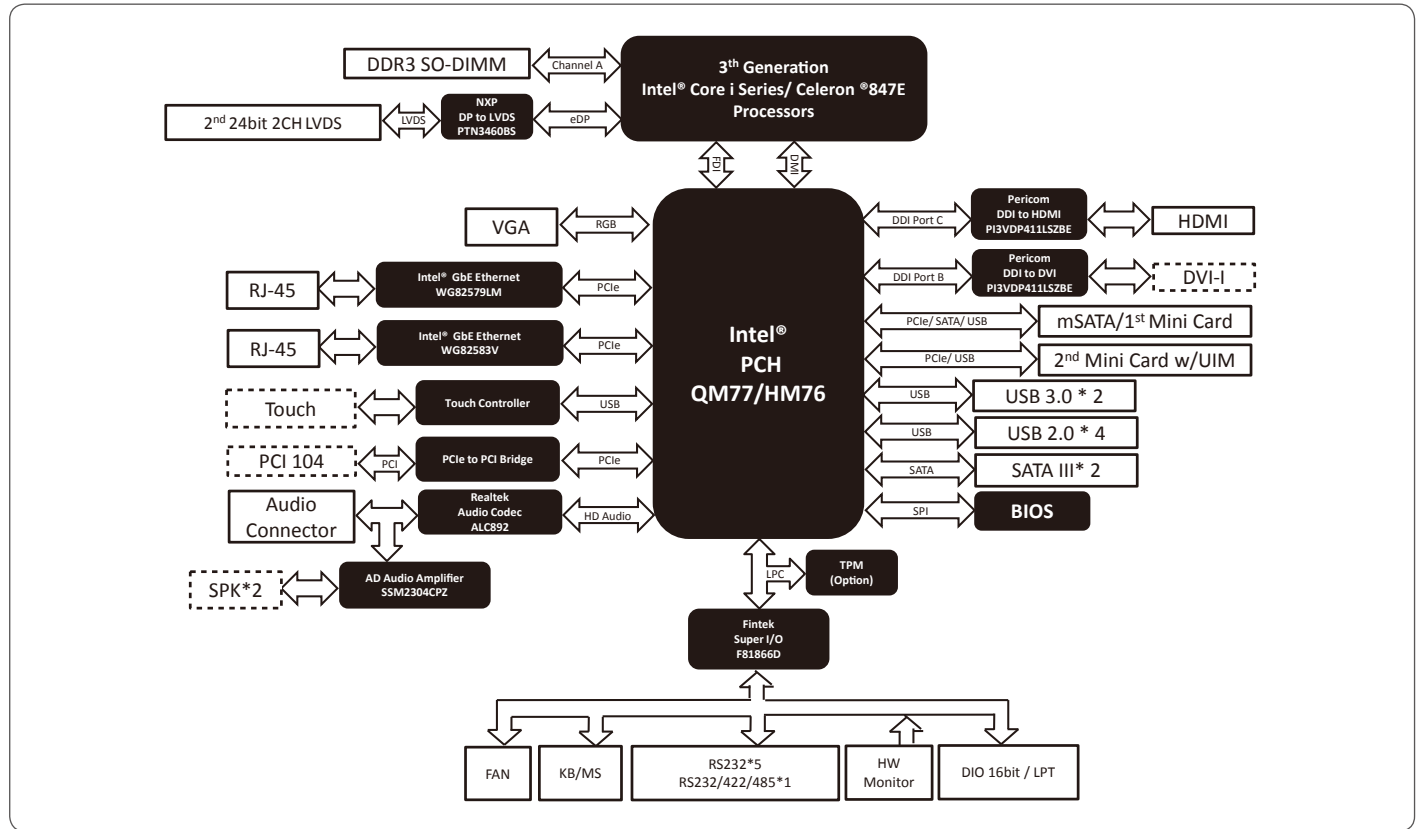
- 1709070500
SATA Cable
- 1702150155
SATA Power Cable
- 9657666600
Jumper Cap
- M10QM7700
Heat Spreader
- Product DVD
- EPIC-QM77

Optional Accessories

- 1701260200
DIO/LPT, 20cm
- 1700060155
PS/2 Keyboard and Mouse, 15cm
- 1701090150
COM Port Cable, 15cm
- 1702150155
SATA Power Cable, 15cm
- 1700050207
USB Cable, 20cm
- 1709100254
Audio Cable, 51cm

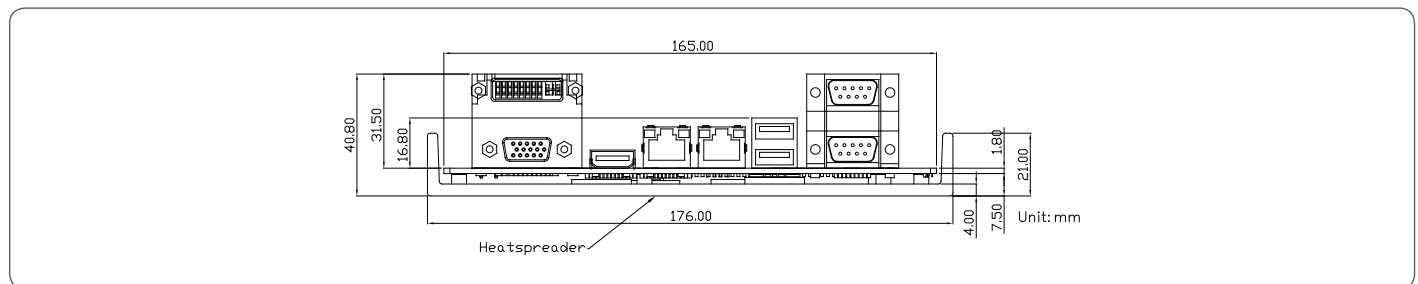
EPIC-QM77

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-QM77-A10	i7-3555LE	DDR3 (Max. 8 GB)	Heat Spreader	CRT + LVDS 2, CRT + HDMI, LVDS 2 + HDMI, CRT + LVDS 2 + HDMI	24b, 2CH	SATA x 2, mSATA/Mini-Card x 1	GbE x 2	USB3.0 x 2, USB2.0 x 4	5	1	Mini-Card x 1	+12V (ATX)	0°C ~ 60°C	LPT or DIO 16-bit, Audio, PS/2
EPIC-QM77-A10-01	Celeron® 847E	DDR3 (Max. 8 GB)	Heat Spreader	VGA + DVI, VGA + HDMI, VGA + LVDS2, DVI + HDMI, DVI + LVDS2, HDMI + LVDS2	24b, 2CH	SATA x 2, mSATA/Mini-Card x 1	GbE x 2	USB3.0 x 2, USB2.0 x 4	5	1	Mini-Card x 1, PCI-104	+12V (ATX)	0°C ~ 60°C	LPT or DIO 16-bit, Audio, PS/2

Remark: * Heatspreader Surface Temperature Under 0°C ~ 70°C