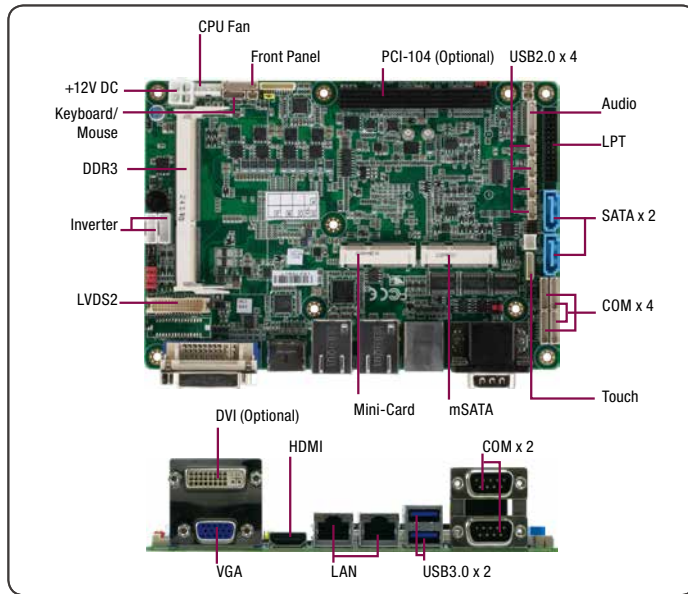


02 EPIC-QM77

EPIC Boards

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-layer 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
CPU	Intel® Core™ i7/i5/i3/Celeron® (BGA based, ≤25W)
CPU Frequency	Up to 2.5 GHz
Chipset	Intel® PCH QM77/HM76
Memory Type	DDR3 1066/1333/1600, SODIMM x 1
Max. Memory Capacity	Up to 8G
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	DC12V
Power Supply Type	AT/ ATX
Power Consumption (Typical)	—
Dimension (L x W)	4.53" x 6.50" (115mm x 165mm)
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)	—
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Core™ i7/i5/i3 integrated
Video Output	CRT+2 LVDS(eDP+Internal LVDS), CRT+HDMI, CRT+DVI, DVI+HDMI
Backlight Inverter Supply	Max. 12V
I/O	
Ethernet	Intel® 82579LM x 1/Intel® 82583V x 1 10/100/1000Base
Audio	High Definition Audio Interface
USB Port	USB2.0 x 4 USB3.0 x 2
Serial Port	RS-232 x 5 , RS-232/422/485 x 1(COM2)
Parallel Port	SPP/EPP/ECP x 1
HDD Interface	SATA3 x 2
FDD Interface	—
SSD	mSATA x 1
Expansion Slot	Mini Card x 1 16 bit DIO or LPT PCI-104
PWM LCD Support	—
DIO	16 bit
TPM	Optional
Touch	Optional



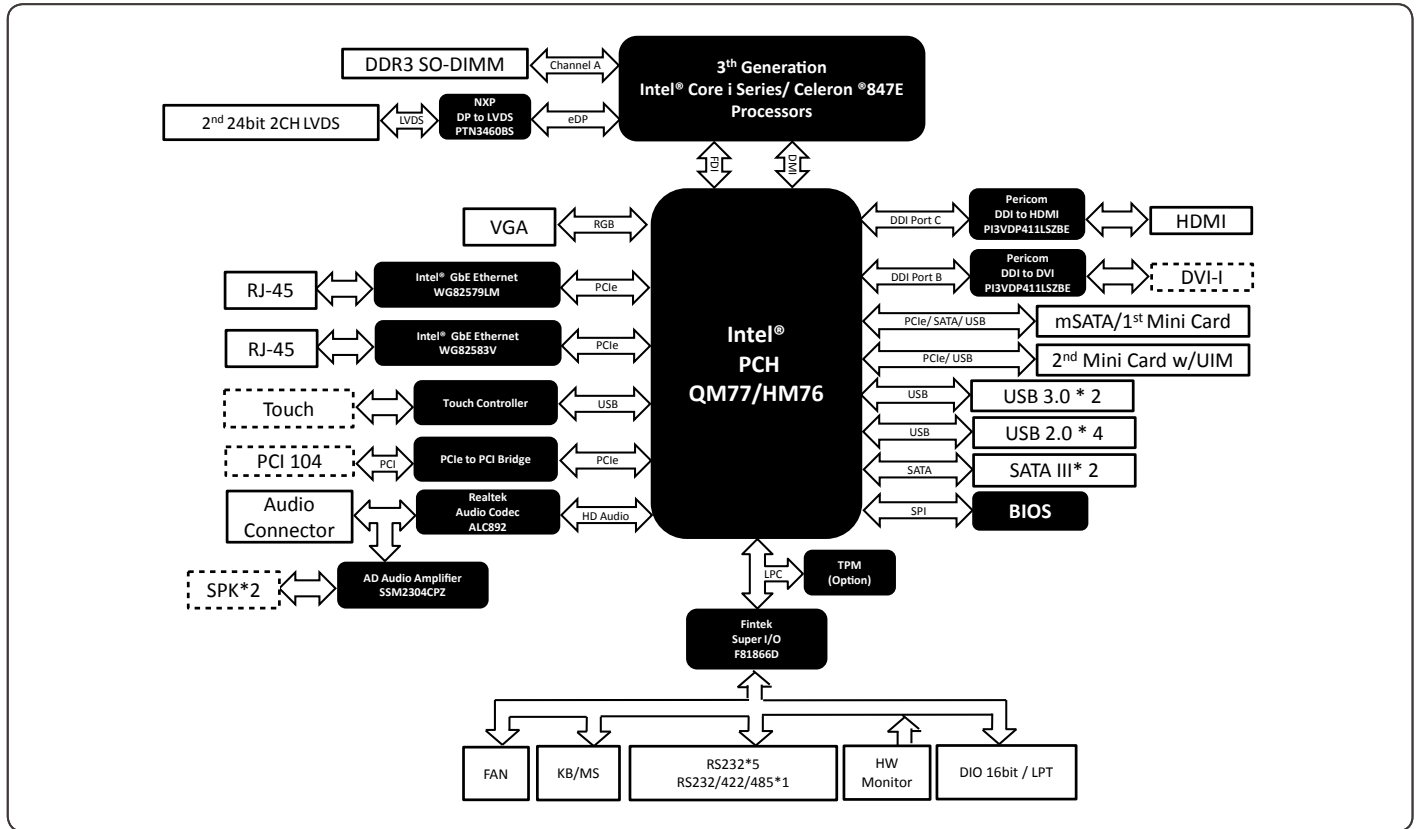
Packing List

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

Optional Accessories

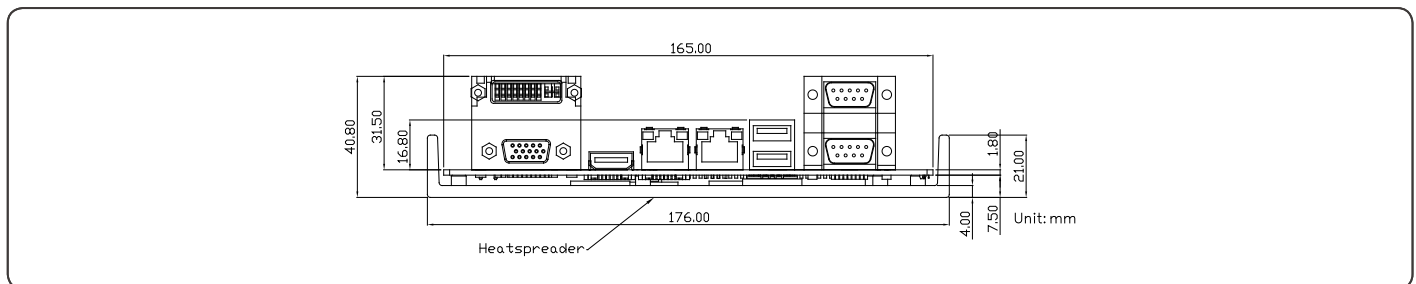
- 1701260200
DIO/LPT, 20cm
- 1700060155
PS/2 Keyboard and Mouse, 15cm
- 1701090150
COM Port Cable, 15cm
- 1702150155
SATA Power Cable, 15cm
- 1700050207
USB Cable, 20cm
- 1709100254
Audio Cable, 51cm

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, CRT + HDMI, LVDS + HDMI, CRT + LVDS + 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 + LVDS, DVI + HDMI, DVI + LVDS, HDMI + LVDS	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