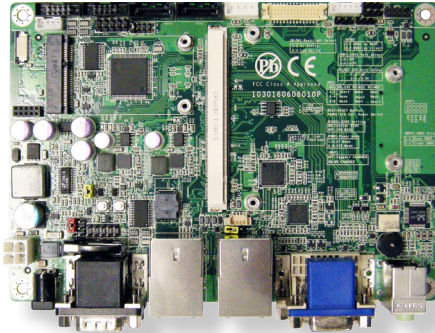
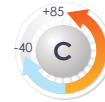


PBQ-3000

Qseven® Carrier Board in EPIC Form Factor



Features

- Qseven® Carrier Board
- Dual Gigabit Ethernet Ports
- Integrated Gigabit Ethernet
- Single Channel 24-bit LVDS/ Dual Channels 24-bit LVDS
- Analog RGB, DVI
- Wide Range DC Power Input: 10V ~ 30V

I/O

Super IO Chipset	Fintek F71869ED
Serial Port	3 x RS-232
	1 x RS-232/422/485 selectable
Digital I/O	8-bit Programmable
Keyboard & Mouse	USB interface Keyboard/ Mouse
USB 2.0	6 x USB 2.0 ports
Expansion	1 x Mini-Card Socket, LPC
Storage	2 x SATA connector
Ethernet Chipset	1 x by CPU module 1 x Intel 82583V PCIe GbE controller
Digital I/O	8-bit Programmable
Audio	Realtek ALC662 5.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

Display

	Analog RGB/ DVI: 1 x VGA connector
Graphic Interface	LCD: 1 x LVDS connector
	DDI port: 1 x DisplayPort connector

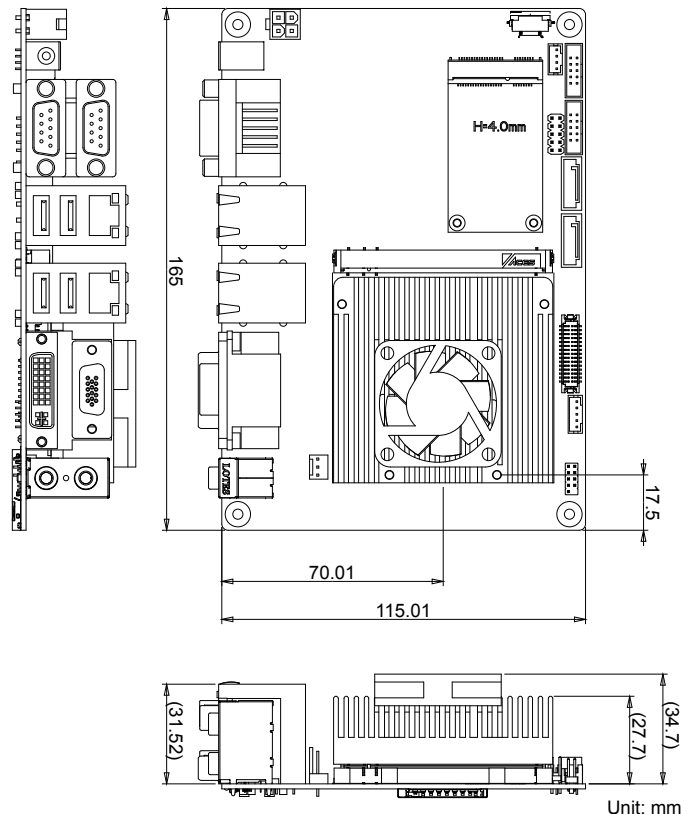
OS Support

Depends on CPU Module

Mechanical & Environmental

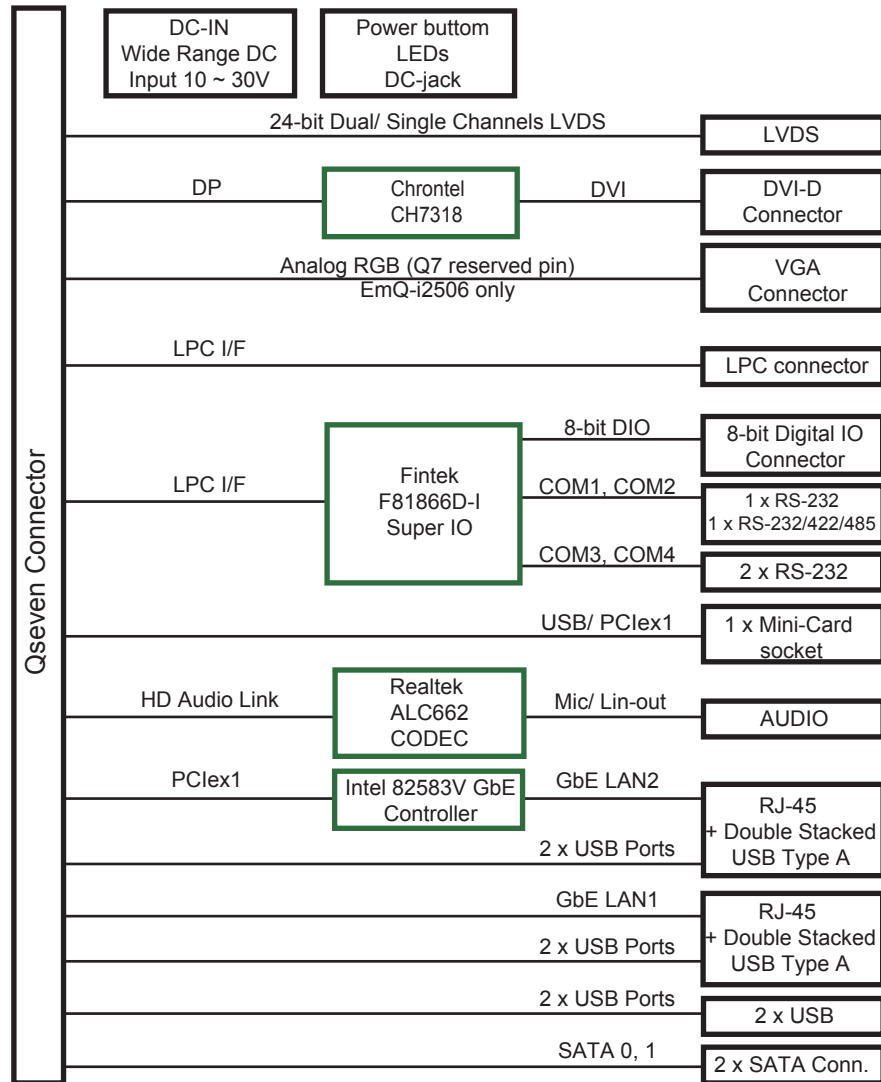
Power Requirement	10V ~ 30V
Power Consumption	0.93A@12V with EmQ-i2301-E3825 (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimensions (L x W)	165 mm x 115 mm (6.5" x 4.5")

Dimensions





Block Diagram



Ordering Information

PBQ-3000 Qseven® R1.2 carrier board in EPIC form factor

Optional Accessories

CBK-06-3000-00 Cable kit
1 x USB cable
1 x USB2 cable
2 x Serial port cables
1 x SATA cable
1 x SATA power cable

Mouser Electronics

Authorized Distributor

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[ARBOR Technology:](#)

[PBQ-3000-RED R1.2](#)