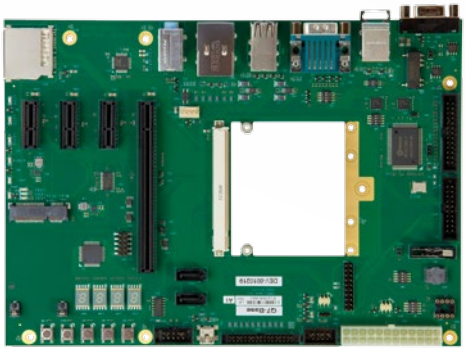
Q7-BASE

Qseven® Reference Carrier Board

NEW



Features

- Qseven compliant, supports all mandatory I/Os
- Audio Codec ALC886
- Super I/O controler W83726DHG
- 7-segment POST code display
- CAN transmitter with isolation

Specifications

Interfaces

Displays	Combined HDMI/DP via graphics card
	Dual channel LVDS 18/24-bit with backlight connector
SDIO	4/8-bit SDIO for MMC/SD
SPI	1x SPI interface
	1x SMBus
	1x misc
HD Audio	1x HD audio codec ALC886
	1x line in
	1x line out
	1x microphone
	1x S/PDIF in/out
I²C	1x I²C
Asynchronous Serial Port	1x asynchronous serial port (UART)
CAN Bus	1x CAN bus interface
USB	1x USB 3.0
	5x USB 2.0 host
	1x USB 2.0 client
PCI Express	3x PCIe x1
	1x PCIe Mini Card
SATA	2x SATA
Gigabit Ethernet	1x GbE
S/PDIF	S/PDIF in/out
Boot Source Select	SPI, eMMC, SD Card, SATA
Miscellaneous	LPC/TPM connector
	2x COM
	1x LPT
	2x PS/2 for keyboard and mouse
	7-segment display for BIOS post code
	Status LEDs and control buttons

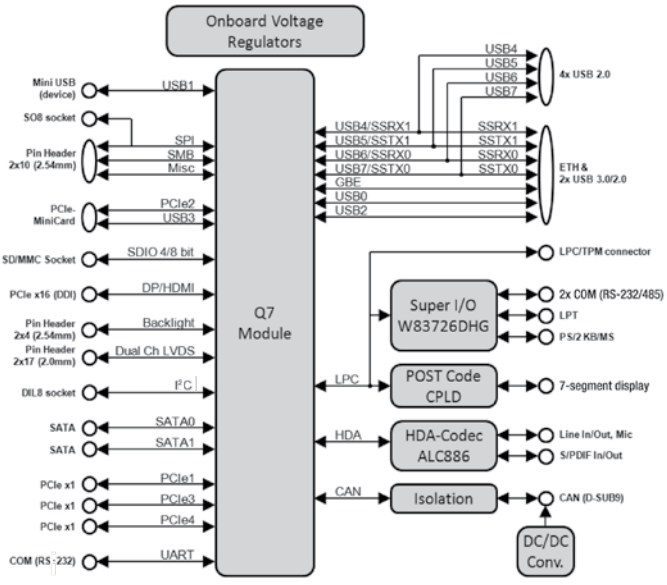
Power

Power Modes	ATX/AT mode
Standard Voltage Input	5.0V ±5%, ±50mV ripple, 12V, 3.3V from ATX connector
Standby Voltage Input	5.0V ±5%, ±50mV ripple from ATX connector
RTC Voltage Input	2.7V to 3.3V, depending on module

Mechanical and Environmental

Form Factor	Mini-ITX
Dimension	170 mm x 170 mm
Board Connector	MXM 230-pin edge connector

Functional Diagram



Ordering Information

Modules

Model Number	Description/Configuration
Q7-BASE-R01	Qseven Reference Carrier Board for Qseven compliant modules