

Q715

Qseven Carrier Board



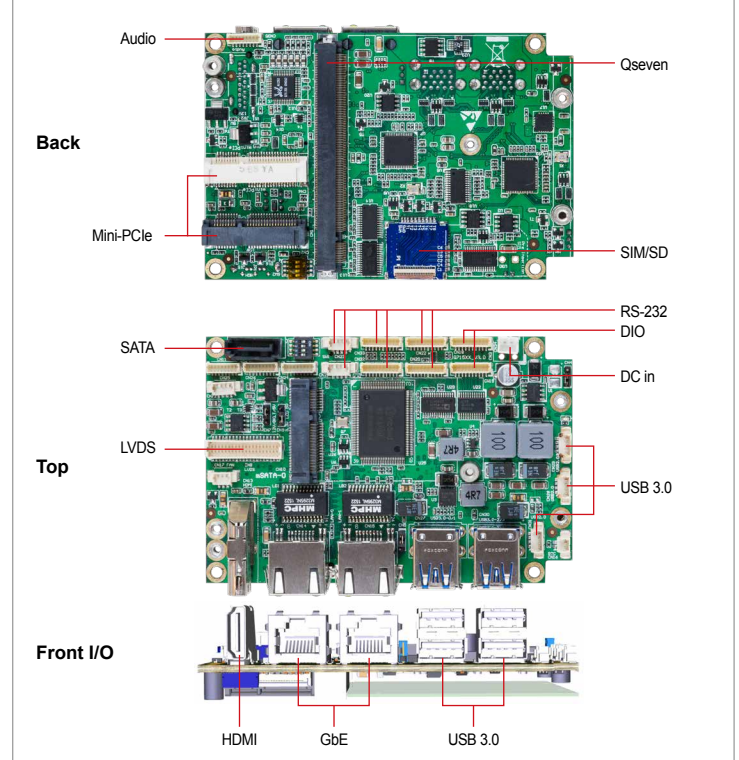
Specifications

CPU Module	
Qseven	Qseven Rev. 2.0 compliant
CPU	x86 CPU
Graphics	
HDMI	1x HDMI
LVDS	24-bit Dual channel
Storage	
SATA	1x mSATA socket, 1x SATA (7-pin) connector
SDIO	1x Push-push SD slot or internal wafer
SIM	1x SIM socket or internal wafer
I/O Interface	
Ethernet	2x RJ45 GbE
USB	4x USB 3.0/2.0 (USB 3.0 hub downstream ports) 1x USB 2.0 internal (CPU module) 2x USB 2.0 internal (USB 3.0 hub downstream ports)
Audio	1x Internal wafer (1x Line-out, 1x Line-In, 1x MIC-in)
UART (Serial Port)	4x RS-232, 2x RS-232 (TTL) (internal wafer)
Digital I/O	16-bit Programmable GPIO (internal wafer)
Other	
Fan	1x 3-pin 5Vdc Fan default, 12Vdc optional
Miscellaneous	SMB bus, I2C, audio volume control
Smart Battery Management	Power button, reset button, HDD LED ACPI 5.0 compliant (optional)
Expansion	
Mini-PCle	1x Full-Length Mini-PCle socket (PCIe + USB + SIM) 1x Half-Length Mini-PCle socket (PCIe + USB)
Power	
DC Input Voltage	9V~32Vdc
Power Mode	AT/ATX
Mechanical	
Dimensions	108 x 72 mm
Weight	
Environment	
Operation Temperature	-20°C ~ 70°C
Storage Temperature	-45°C ~ 85°C
Relative Humidity	95% @ 40° C
Certification	
Safety Certifications	CE/FCC Class A
Operating System	
Windows/Linux	Depends on Q7 CPU module

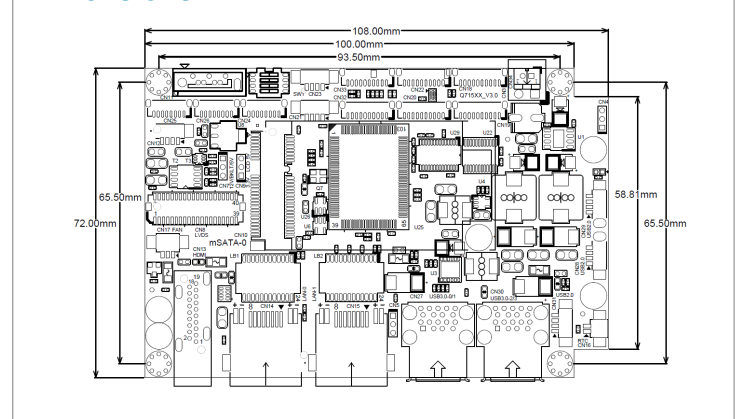
Features

- Qseven Rev. 2.0 compliant
- Compact size: 108x72 mm
- Wide-Range DC voltage input: 9V~32Vdc
- Dual display: HDMI/LVDS
- 2x Mini-PCle socket, 1x SIM socket, 1x mSATA socket
- 4x USB 3.0/2.0, 3x USB2.0 internal, 16-bit programmable GPIO
- 2x GbE Ethernet, 6x UARTs

I/O Interfaces



Dimensions



I/O Comparison Chart

Model Name	HDMI	GbE (RJ45)	GbE / PoE (RJ45)	DIO	USB 3.0	USB 2.0	RS-232	SIM / SD	Mini-PCle	SATA
Q715	1	1	2	16-bit Programmable GPIO	4	3	6	Internal wafer	2	1x mSATA
Q715-SIM	1	1	2	16-bit Programmable GPIO	4	3	6	SIM socket	2	1x SATA

Ordering Information

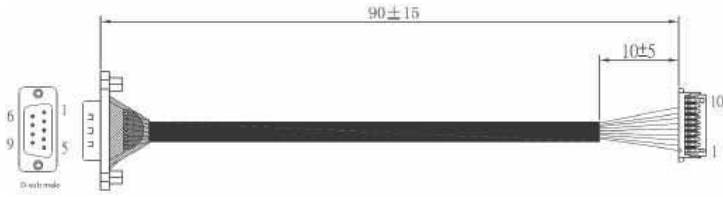
Model Name		Article Number (A/N)
Q715	Qseven Carrier Board, 1x HDMI, 1x LVDS, 2x RJ45 GbE, 4x USB 3.0, 3x USB 2.0, 6x RS-232, 16-bit Programmable GPIO, Internal SIM, Internal SD	7111-715100
Q715-SIM	Qseven Carrier Board, 1x HDMI, 1x LVDS, 2x RJ45 GbE, 4x USB 3.0, 3x USB 2.0, 6x RS-232, 16-bit Programmable GPIO, SIM socket, SD socket	7111-715200

Cable

RS-232/422/485 Cable

CBL-DB9-01

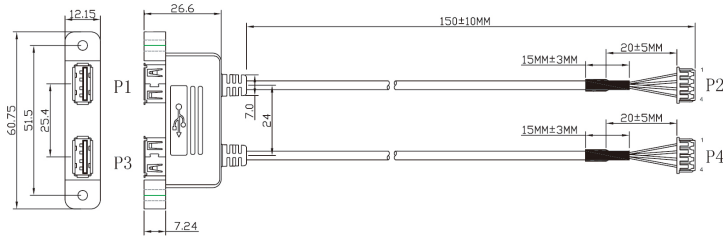
D-Sub 9-pin male cable, L=90±15mm



USB Cable

CBL-USB cable-02

2x USB 2.0 cable, L=150±mm



Power Button with LED Cable

CBL-BTN-01

Power Button wire harness, L=400±10 mm

