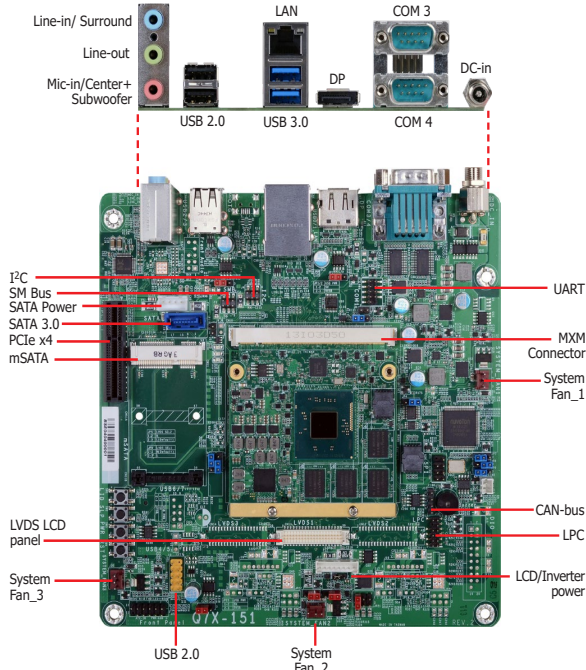




Qseven Carrier Board

Q7X-151 (R.A)

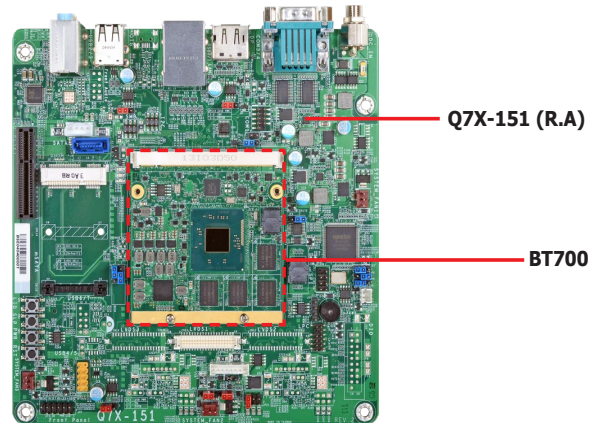


Features

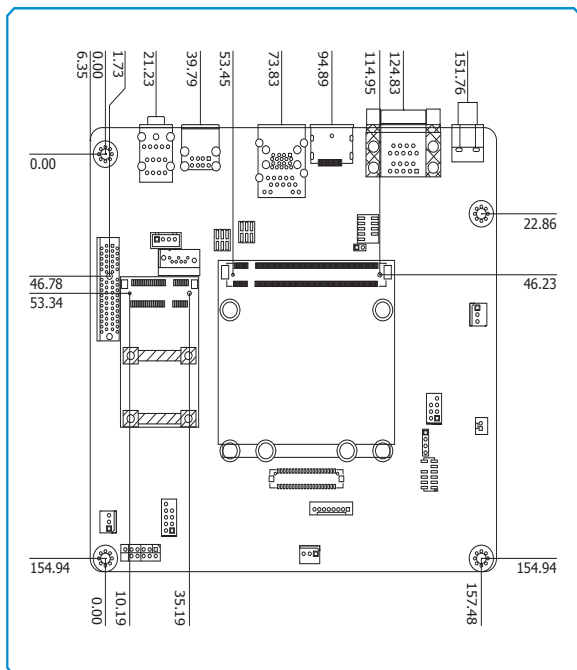
| | |
|-----------------|-----------------------------|
| EXPANSION | 1 PCIe x4 1 SDIO |
| DISPLAY OUTPUTS | 1 LVDS, 1 DP |
| LAN | 1 LAN |
| COM | 2 COM |
| USB | 1 USB 3.0, 6 USB 2.0 |
| STORAGE | 1 SATA 3.0 1 mSATA |
| DIMENSIONS | 170mm x 170mm (6.7" x 6.7") |



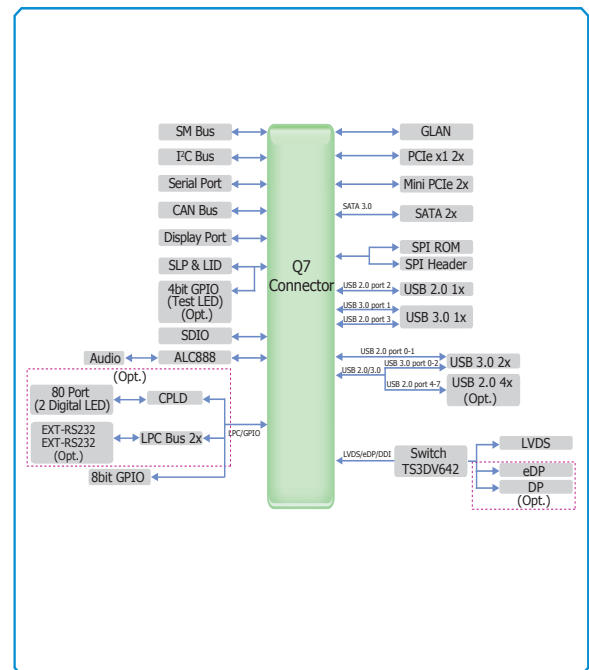
For BT700



Mechanical Drawing



Block Diagram





Q7X-151 (R.A)

Specifications * Optional and is not supported in standard model. Please contact your sales representative for more information.

ONBOARD GRAPHICS FEATURES

- Display ports
 - 1 dual channel LVDS
 - 1 DP port

ONBOARD AUDIO FEATURES

- Realtek ALC886 5.1-channel High Definition Audio
- Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line out

ONBOARD USB FEATURES

- 1 USB 3.0 and 6 USB 2.0 ports

STORAGE

- 1 SATA 3.0 port with data transfer rate up to 6Gb/s
 - SATA port provides adequate space for SATA DOM
- 1 mSATA port

REAR PANEL I/O PORTS

- 1 12V DC-in jack
- 2 DB-9 RS232 serial ports
- 1 DP port
- 1 RJ45 LAN port
- 1 USB 3.0 port
- 2 USB 2.0 type A ports
- Mic-in/Center+Subwoofer, line-in/surround and line out jacks

I/O CONNECTORS

- 1 connector for 2 external USB 2.0/1.1 ports
- 2 UART ports
 - 1 supports TX/RX signal only (UART 2)
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 Serial ATA connector
- 1 Serial ATA power connector
- 1 mSATA port
- 1 LPC connector
- 1 I²C connector
- 1 SMBus connector
- 1 CAN-bus connector
- 1 front panel connector
- 3 fan connectors

EXPANSION SLOTS

- 1 PCIe x4 slot
- 1 SDIO socket

WATCHDOG TIMER

- Watchdog timeout programmable via software from 1 to 255 seconds

DAMAGE FREE INTELLIGENCE

- Monitors system temperature and overheat alarm
- Monitors system fan speed and failure alarm

ROM INTERFACE

- 1 SPI interface
 - Supports up to 64Mbit

TEMPERATURE

- Operating: 0°C to 60°C
- Storage: -20°C to 85°C

HUMIDITY

- 5% to 90%

BOARD TO BOARD CONNECTORS

- One MXM connector

DIMENSIONS

- Mini-ITX form factor
- 170mm (6.7") x 170mm (6.7")

Packing List

| |
|--|
| • 1 Q7X-151 (R.A) board |
| • 1 Serial ATA signal cable: 332-553001-005G |
| • 1 I/O shield: A49-Q7X151-000G |
| • 1 DVD |

Optional Items

| |
|---|
| • USB port cable: 332-253010-026G |
| • I/O shield: A49-Q7X151-000G |
| • Power adapter (100W, 12V, Level 6): 671-110002-100G |

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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