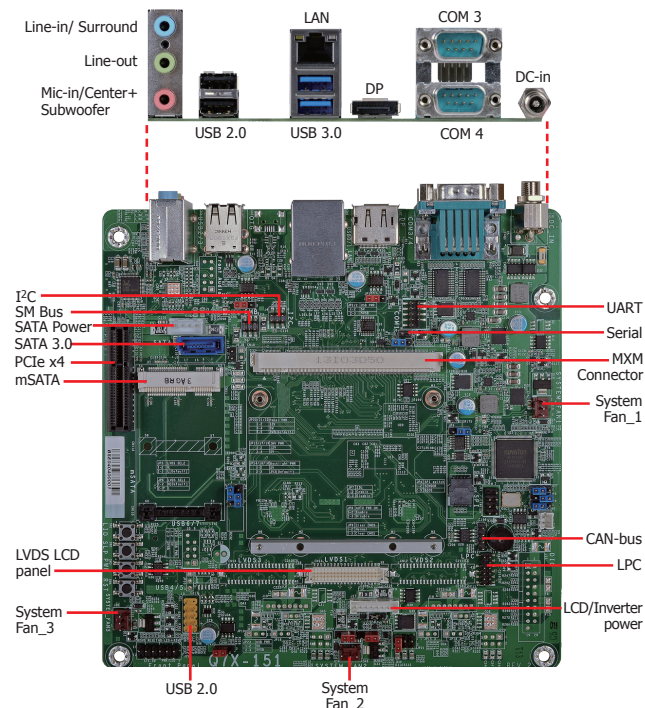


Q7X-151

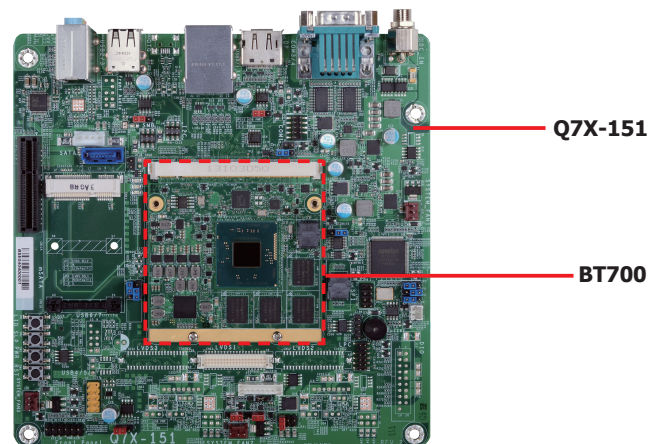


Features

EXPANSION	1 PCIe x4 1 SDIO
DISPLAY OUTPUTS	1 LVDS, 1 DP
LAN	1 LAN
COM	2 COM
USB	6 USB: 2 USB 3.0, 4 USB 2.0
STORAGE	1 SATA 3.0 1 mSATA
DIMENSIONS	170mm x 170mm (6.7" x 6.7")



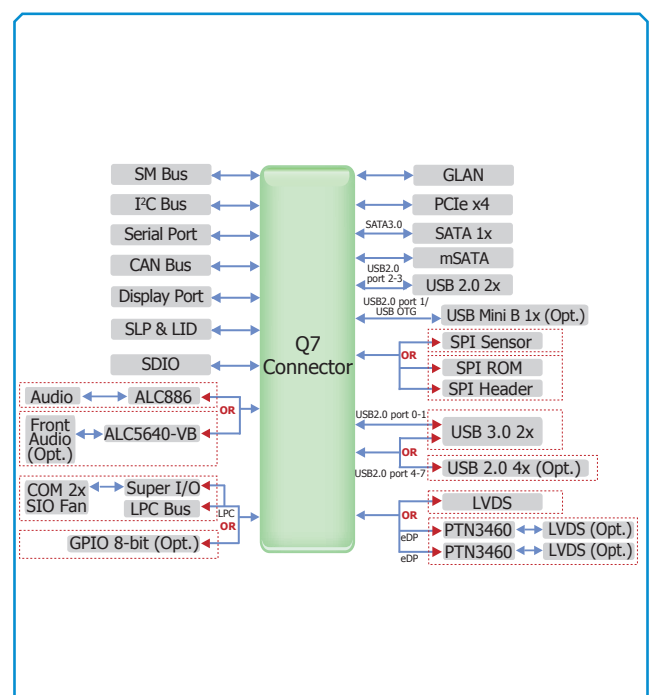
For BT700



Mechanical Drawing



Block Diagram



Q7X-151

► Specifications

ONBOARD GRAPHICS FEATURES

- Display ports
 - 1 dual channel LVDS (standard); or
 - 2 embedded DisplayPort to dual channel PTN3460 LVDS (optional)
 - 1 DP port

ONBOARD AUDIO FEATURES

- Realtek ALC886 5.1-channel High Definition Audio (standard); or Realtek ALC5640-VB 2-channel I²S Audio interface (optional)
- Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line out

ONBOARD USB FEATURES

- 2 USB 3.0 and 4 USB 2.0 ports (standard); or 8 USB 2.0 ports (optional)
- With BT700: 1 USB 3.0 and 6 USB 2.0 ports (standard); or 8 USB 2.0 ports (optional)
- USB 2.0 port 1 supports USB OTG (optional)

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

DIGITAL I/O

- 8-bit Digital I/O connector (optional)

REAR PANEL I/O PORTS

- 1 12V DC-in jack
- 2 DB-9 RS232 serial ports
- 1 DP port
- 1 RJ45 LAN port
- 2 USB 3.0 ports
- 2 USB 2.0 type A ports
- 1 USB OTG type Mini B port (optional)
- 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; or 2 connectors for 4 external USB 2.0/1.1 ports (optional)
- 1 UART port
- 1 serial interface for 1 serial port (TX/RX)
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 8-bit Digital I/O connector (optional)
- 1 front audio connector for line-out and mic-in jacks
- 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 board |
| • 1 Serial ATA data with power cable |
| • 1 I/O shield |
| • 1 QR (Quick Reference) |
| • 1 DVD |

► Optional Items

- | |
|---|
| • Serial ATA data cable |
| • Serial ATA power cable |
| • COM port cable |
| • I/O shield |
| • Power adapter (100W, 12V) : 671-110001-100G |