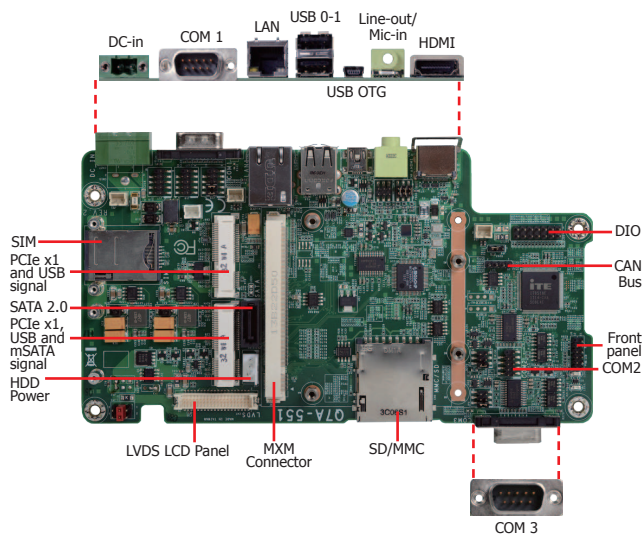


Q7A-551

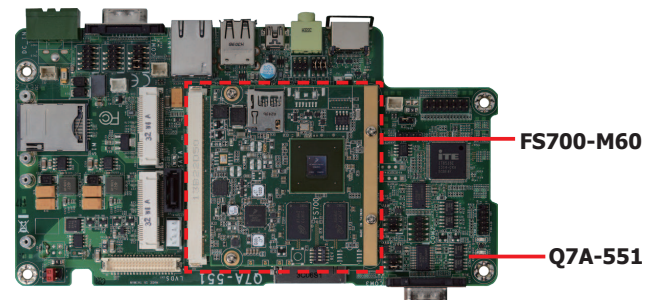


Features

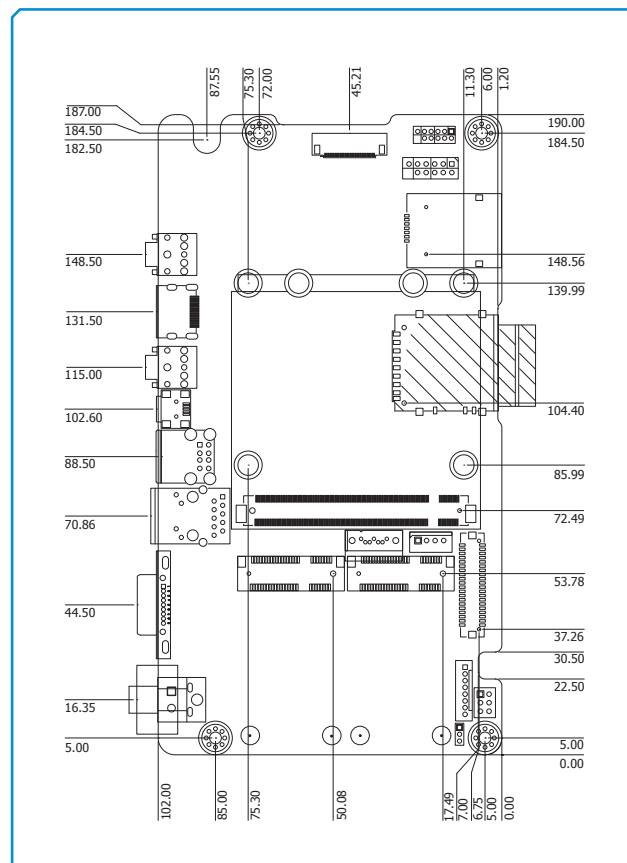
EXPANSION	2 Mini PCIe
	1 SIM
DISPLAY OUTPUTS	1 HDMI, 1 LVDS
LAN	1 LAN
COM	3 COM
USB	2 USB 2.0, 1 USB OTG
STORAGE	1 SATA 2.0
	1 SD/MMC
DIO	12-bit DIO
DIMENSIONS	190mm x 102mm (7.48" x 4.02")



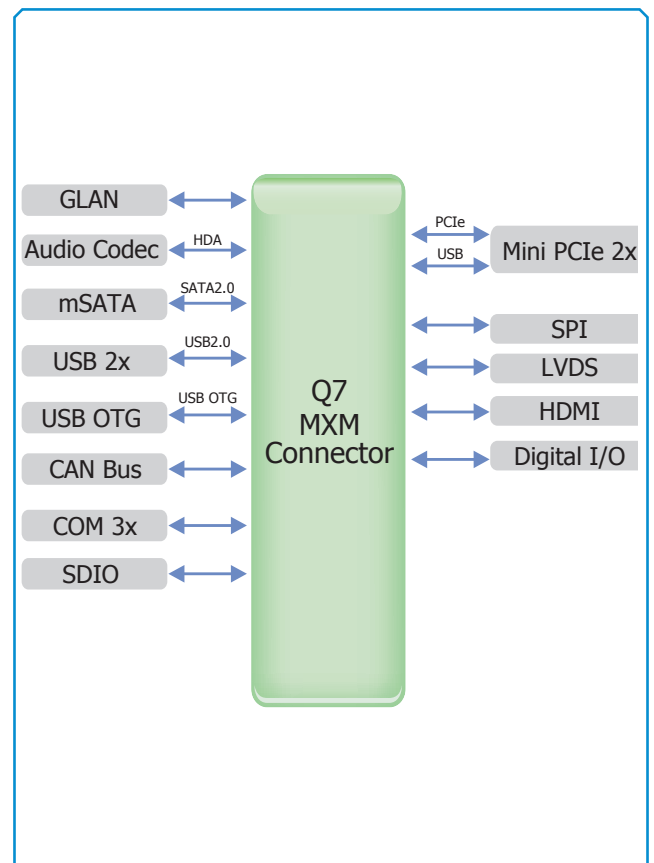
For FS700 Series



Mechanical Drawing



Block Diagram



Q7A-551

► Specifications

ONBOARD GRAPHICS FEATURES

- Display ports
 - 1 HDMI
 - 2 24-bit single channel LVDS

ONBOARD AUDIO FEATURES

- Supports I²S audio interface
- 2 1W audio amplifier connectors (left and right sides)

ONBOARD USB FEATURES

- 2 USB 2.0 ports
- 1 USB OTG port

STORAGE

- 1 SATA 2.0 port with data transfer rate up to 3Gb/s
- 1 SD/MMC socket

PANEL I/O PORTS

- 2 USB 2.0 ports
- 1 USB OTG port
- 2 DB-9 serial ports
 - 1 RS232/422/485
 - 1 RS232 (debug or UART)
- 1 RJ45 LAN port
- 1 HDMI port
- 1 Line-out/Mic-in jack
- 1 9~36V DC-in jack

I/O CONNECTORS

- 1 connector for an external RS232/422/485 serial port
- 1 LVDS LCD panel connector
- 1 SATA 2.0 port
- 1 CAN-bus connector
- 1 front panel connector
- 1 power switch connector
- 2 1W audio amplifier connectors (left and right sides)
- 1 12-bit Digital I/O connector

EXPANSION SLOTS

- 2 Mini PCIe slots
 - 1 slot supports PCIe and USB signals
 - 1 slot supports PCIe, USB and mSATA signals
 - Supports full size Mini PCIe card
- 1 SIM card socket

TEMPERATURE

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

HUMIDITY

- 10% to 90%

BOARD TO BOARD CONNECTORS

- One MXM connector

DIMENSIONS

- 190mm (7.48") x 102mm (4.02")

► Packing List

- | |
|--------------------------|
| • 1 Q7A-551 board |
| • 1 SATA data cable |
| • 1 I/O shield |
| • 1 QR (Quick Reference) |
| • 1 DVD |

► Optional Items

- | |
|--------------------------|
| • SATA data cable |
| • Serial ATA power cable |
| • I/O shield |