

SOM-DB3520

Qseven Development Board

NEW



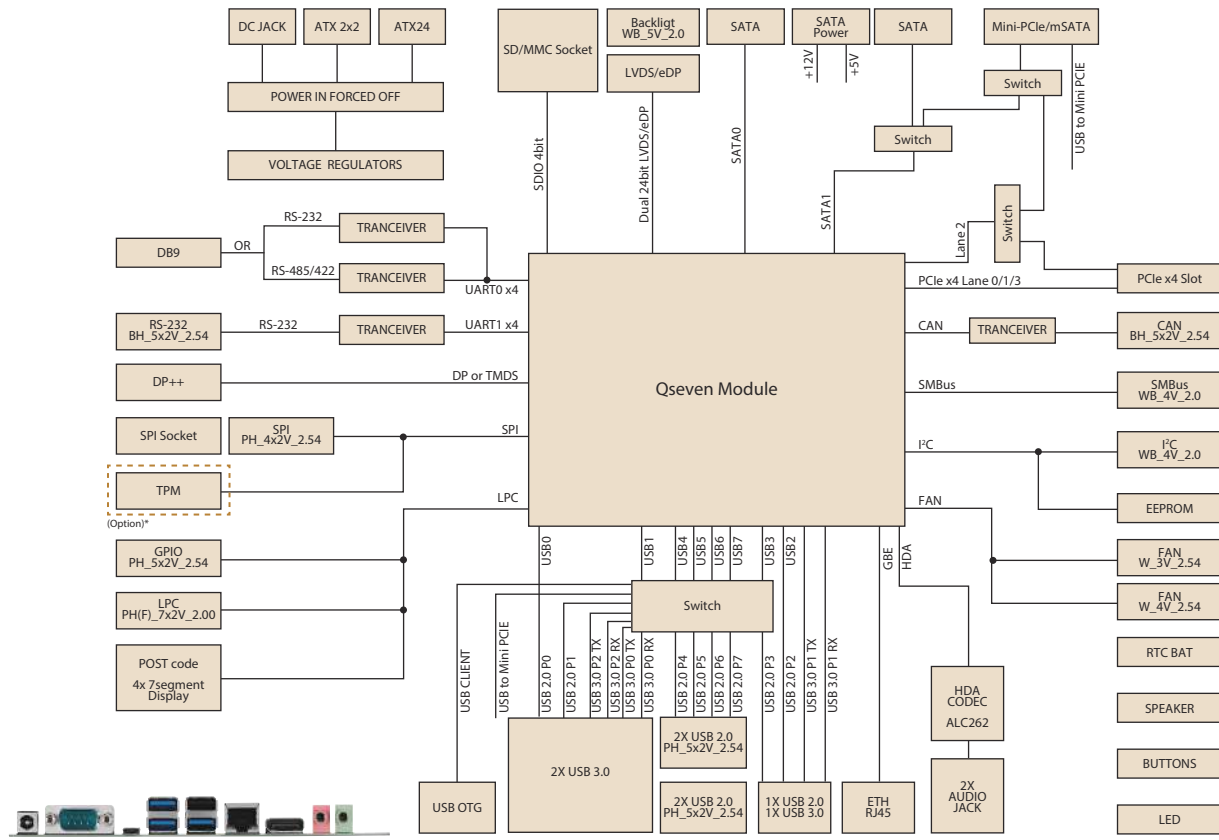
Features

- Supports Qseven CPU Module
- Supports dual channel LVDS display, eDP, DP/++, and HDMI (through DP++)
- Supports standard ATX or 12V DC power input
- Supports 1 PCIe x4 slot, 1 Mini-PCIe slot w/SIM socket, 1 GbE, 2 SATA, mSATA, 3 USB 3.0 and 8 USB2.0, 2 COM ports, 1 SD socket, TPM (Option), CAN Bus and HD audio

Specifications

Compatible Modules		Advantech Qseven CPU Module Series (70 x 70 mm)
Display	LCD	LVDS: Dual channel 18/24-bit (eDP optional), DP (HDMI/DVI optional)
Expansion	PCI Express x1	1 PCIe X4 slot (Default)
	Mini PCIe slot	1 (Option)
	LPC	Yes
Serial Bus	SMBus	Yes
	I ² C Bus	Yes
Ethernet		1 Gigan LAN
I/O	SATA	2 Ports
	mSATA	1 socket (optional from SATA1)
	USB3.0	2 Ports (Default), (Option1: 1 USB3.0 & 8 USB2.0; Option 2: 3 USB 3.0 & 4 USB 2.0)
	USB2.0	6 Ports (Default)
	SPI Bus	1 Socket
	COM Port	2 Ports, COM1(DB9): RS232/422/485; COM2 (box header): RS232
	SD Socket	1
	SIM Card Socket	1
	Audio Interface	HD Audio
Smart Fan	1 Ports	
Power	Type	ATX/AT Modes, DC-in
Environment	Temperature	0 ~ 60° C (32 ~ 140° F)
	Humidity	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95%relative humidity, non-condensing
	Vibration Resistance	3.5 Grms
Mechanical	Dimensions	170 x 170 mm (6.7" x 6.7")

Block Diagram



*- TPM function - depends on CPU platform, please confirm with PM/sales first.

Ordering Information

Part No.	DP	HDMI	LVDS	PCIex4	Mini-PCle	GbE	SATA	mSATA	USB 3.0	USB 2.0	COM Port	ATX Power	DC-in	Operating Temperature
SOM-DB3520-00A1E	1	1	1	1 (Option)	1	1	2	1 (Option)	2	6	2	Yes	Yes	0 ~ 60° C

Packing List

Part No.	Description	Quantity
-	SOM-DB3520 development board	1
SOM-EA10	SOM-EA10 A1 01, a PCIe card with 4 PCIe (*1) slot	1
1960075990N000	IO BRACKET SOM-DB3520	1
1700001788	F CABLE D-SUB 9P(M)/IDE#3 10P-2.54 30CM	1
1700008941	M Cable SATA 7P/SATA 7P 32CM C=R 180/180D W/Lock	1
1700018785	A CABLE SATA 15P/1*4P-2.5 35cm for AIMB-213	1
1700100170	A Cable 2*5P-2.54/USB-A(F)*2 17.5cm W/BKT F/9	1