



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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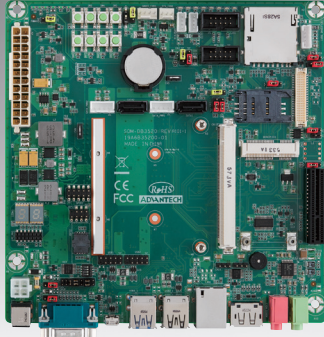
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SOM-DB3520

Qseven Development Board

NEW



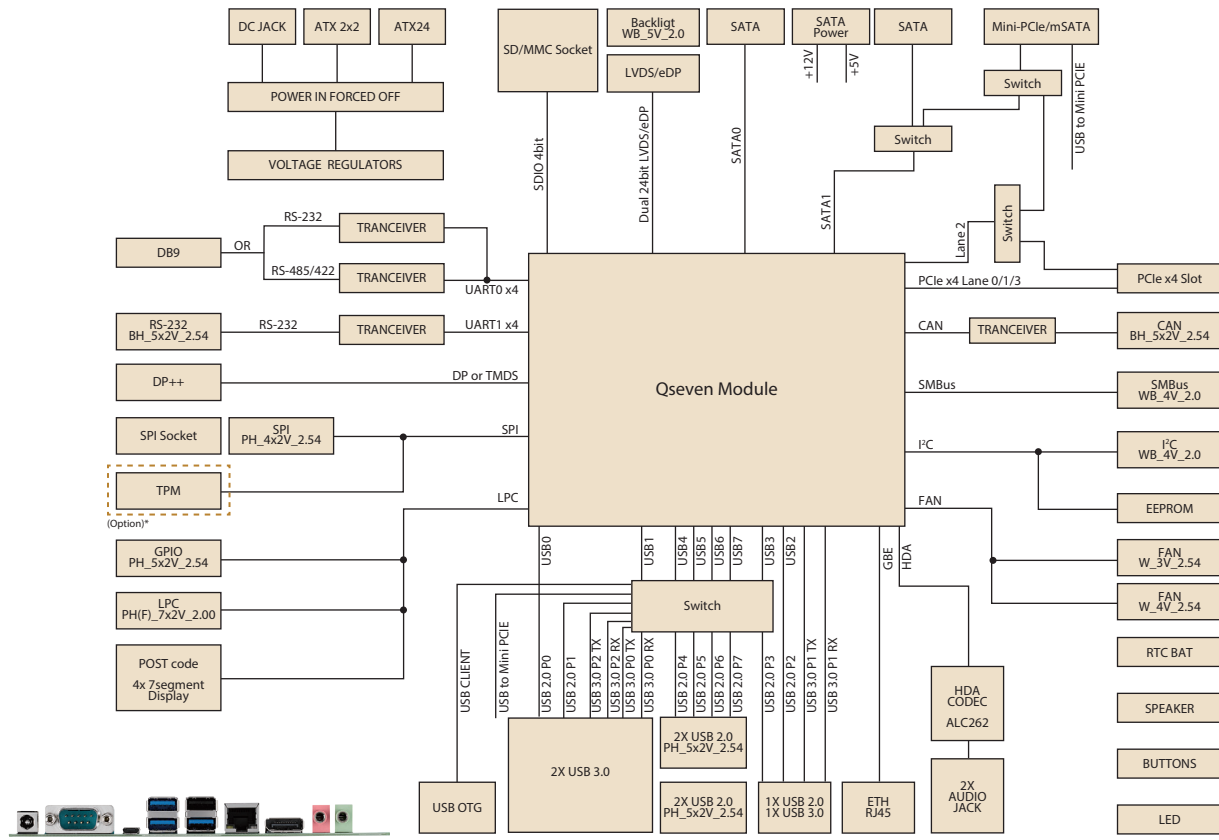
Features

- 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