

# SOM-DK3520 Evaluation Kit

## Qseven Development Kit

**NEW**



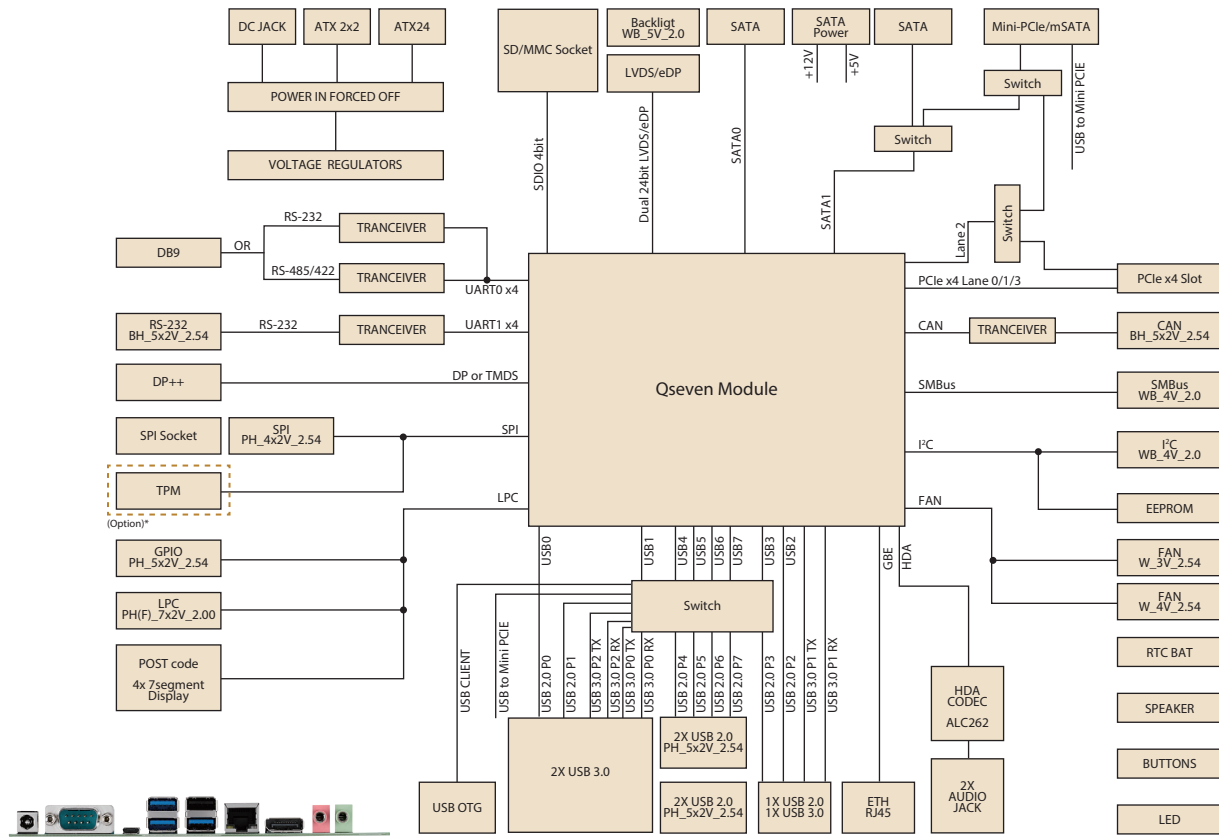
### Features

- Supports Qseven CPU Module
- Easy-to-Install Demo Kit
- Specification/Function depends on Advantech Qseven module
- Power Adapter, Cable pack & Panel included
- Plastic case & EPE foam protection

### Specifications

Compatible Modules		Advantech Qseven CPU Module Series (70 x 70 mm)
Expansion	PCI Express x1	1 PCIe X4 slot
	LPC	Yes
Ethernet		1 Gigan LAN
Serial Bus	SMBus	Yes
	I2C Bus	Yes
I/O	SATA	2 Ports. Support Gen3.1 (6Gb/s) and Gen2 (3 Gb/s) or Gen 1(1.5 Gb/s)
	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
	SDIO	1 Socket
	COM Port	2 Ports, COM1(DB9): RS232/422/485; COM2 (box header): RS232
	Audio Interface	HD Audio
	Smart Fan	1 Port
Display	LCD	LVDS: Dual channel 18/24-bit (eDP optional), DP (HDMI/DVI optional)
Power	Type	ATX/AT Modes, DC-in
Environment	Temperature	Operating Standard: 0 ~ 60 °C (32 ~ 140 °F) Storage -40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	Operating: 40 °C @ 95% relative humidity, non-condensing Storage: 60 °C @ 95%relative humidity, non-condensing
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.

## Packing List

Part No.	Description	Quantity
9696352000E	Development Board, Qseven R2.1	1
1960058145N001	Semi-Heatsink, 70L x 63W x 13.2H (0 ~ 60 °C)	1
96LEDK-A084SV45NB2	8.4" LED PANEL 450N 800X600(G) G084SN05 V9(V901)	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 AlMB-213	1
1700100170	A Cable 2*5P-2.54/USB-A(F)*2 17.5cm W/BKT F/9	1
1701100300	F Cable IDE#3 10P-2.54/D-SUB 9P(M) 30cm	1
96CB-L2040PAB5	LVDS CABLE 20-40PIN 50CM AB5 TYPE(G)	1
96CB-E0405PIB3	LED CABLE 4-5PIN 50CM IB3 TYPE(G)	1
96PSA-A60W12V1-1	ADP A/D 100-240V 60W 12V C14 DC PLUG 180°	1