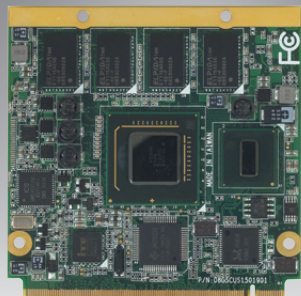


SOM-3560

Intel® Atom™ Processor SCH
US15W Qseven CPU Module



Features

- Intel® Atom™ processor Z510 1.1 GHz, Z530 1.6 GHz
- Intel GMA integrated in US15W
- Supports onboard DDR2 512 MB/1 GB Memory
- LPC, 1 PCIe x1, 8 x USB 2.0, up to 2 GB onboard flash
- Supports iManager, SUSIAccess and Embedded Software APIs

Software APIs:



Watchdog



I/O



SMBus



H/W Monitor

Utilities:



BIOS flash



Monitoring



Embedded Security ID



iManager susiAccess

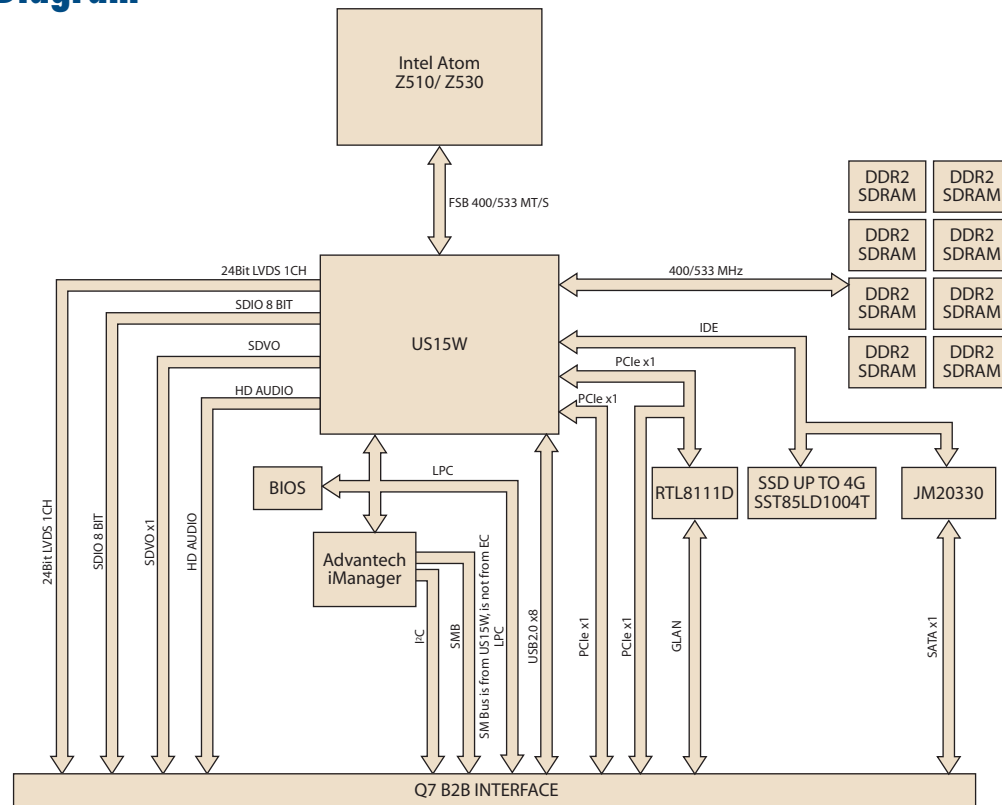


CE FCC

Specifications

Form Factor		Qseven
Processor System	CPU	Intel Atom processor Z510 1.1 GHz, Z530 1.6 GHz
	System Chipset	US15W
	BIOS	Award 8 Mbit Flash BIOS
Memory	Technology	DDR2 400/533 MHz
	Max. Capacity	Onboard 512 MB/1 GB memory
Display	Chipset	Intel GMA integrated in US15W
	Graphics Engine	DirectX 9Ex. Supports H.264, MPEG2 and MPEG4 hardware decoder
	LVDS	24-bit single channel LVDS
	SDVO	Yes
Ethernet	Chipset	Realtek 8111D Gigabit Ethernet
	Speed	10/100/1000 Mbps
WatchDog Timer		65536 level timer interval, from 0~65535 sec, multi-level, multi-option watchdog timer
Expansion		LPC, 1 PCIe x1
I/O	PATA	-
	SATA	1 x SATAII (300 MB/s)
	USB	8 x USB 2.0
	Audio	High definition audio interface
	SSD	Up to 2GB SSD flash on board
	SDIO	8-bit SDIO
Power	Power Type	ATX, AT
	Power Supply Voltage	5V only
Environment	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Mechanical	Dimensions	70 x 70 mm

Block Diagram



Ordering Information

Part No.	CPU	L2 Cache	Chipset	IDE	Memory	LVDS	VGA	Giga LAN	HD Audio	PCIe x1	USB 2.0	SATA II	LPC	SMBus	ATX Power	AT Power	Thermal Solution	Operating Temp.
SOM-3560FG-S1A1E	1.1 GHz	512 KB	Intel US15W	-	512 MB	18/24-bit	-	1	Yes	1	8	1	1	1	Yes	Yes	Passive	0 ~ 60° C
SOM-3560FG-S6A1E	1.6 GHz	512 KB	Intel US15W	No, 2 GB SSD onboard flash	1 GB	18/24-bit	-	1	Yes	1	8	1	1	1	Yes	Yes	Passive	0 ~ 60° C

Note: Passive = fanless; Active = with fan

Development Board

Part No.	Description
SOM-DB3500	Development Board for Qseven with GLAN

Embedded OS

OS	Part No.	Description
Win XPE	2070009031	XPE WES2009 Lu- Pier V4.0 MUI24

Packing List

Part No.	Description	Quantity
	SOM-3560 CPU Module	1
	Utility CD	1
	Heatspreader	1