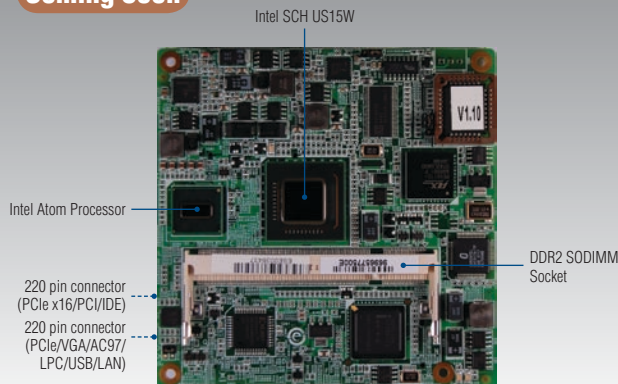


SOM-6760

Intel® Atom™ SCH US15W COM-Micro CPU Module

Coming Soon



Features

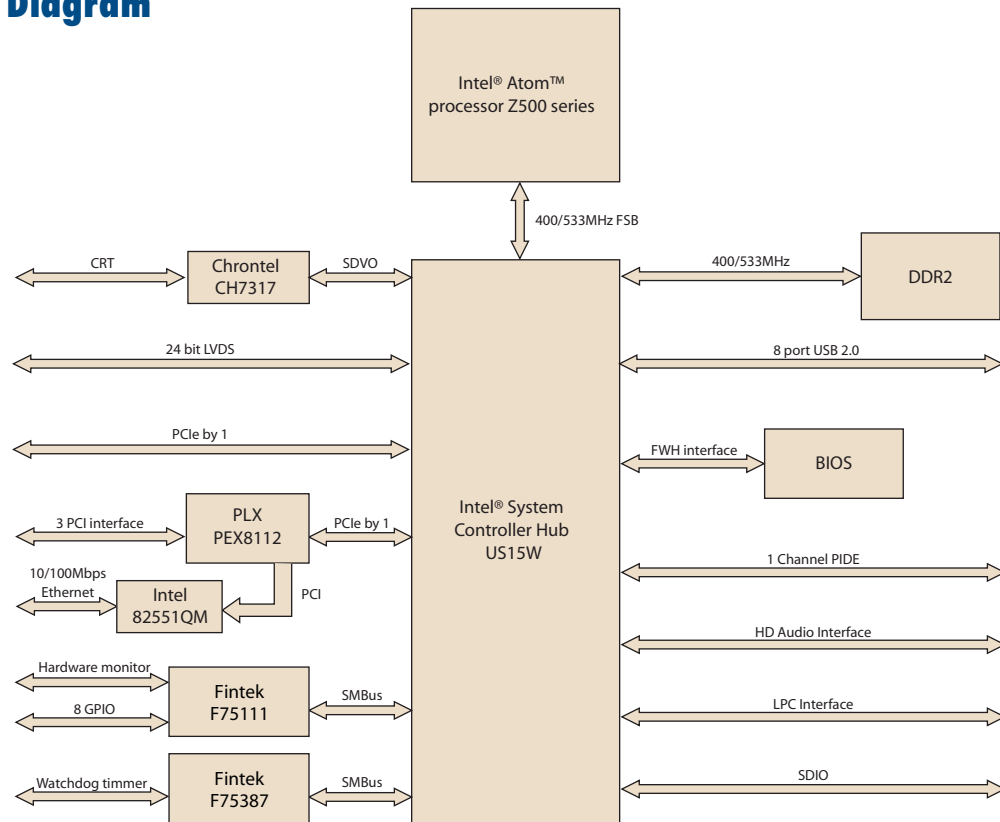
- Intel® Atom processor Z510 1.1GHz, Z530 1.6GHz
- Intel® System Controller Hub US15W
- Supports DDR2 SODIMM up to 2 GB
- Intel® Graphics Media Accelerator 500, DirectX 9Ex H.264, MPEG2, MPEG4, VC1, and WMV9 HW decode
- Display type: 24-bit LVDS/ VGA
- Intel 10/100 Mbps LAN
- LPC, 1 PCIe x 1, 3 PCI master
- 8 x USB 2.0, 1 EIDE, 8-bit GPIO, SDIO



Specification

Form Factor	COM-Micro, Module Pin-out Type II	
Processor System	CPU	Intel® Atom processor Z510 1.1GHz, Z530 1.6GHz
	Front Side Bus	400/533MHz
	System Chipset	Intel® System Controller Hub US15W
	BIOS	AWARD™ 4 Mbit Flash BIOS
Memory	Technology	DDR2 400/533 MHz
	Max. Capacity	up to 2 GB
	Socket	1 x 200-pin SODIMM socket
Display	Chipset	Intel® SCH US15W
	VRAM	Share system memory up to 256MB
	Graphic Engine	Intel® Graphics Media Accelerator 500
		DirectX 9Ex
	Support H.264, MPEG2, MPEG4, VC1, and WMV9 hardware decode	
	LVDS	24-bit single channel LVDS
	VGA	Up to 1600 x 1200 @ 24bit
Ethernet	SDVO	SDVO Port is alternative by VGA function
	Dual Display	CRT + LVDS
	Chipset	Intel 82551QM 10/100Mbps Ethernet
WatchDog Timer	Speed	10/100Mbps IEEE 802.3u 100Base-T Fast Ethernet
Expansion	256 levels timer interval, from 0 to 255 sec. or min, setup by software, jumperless selection, generates system reset	
I/O	LPC, 1 PCIe x 1, 3 PCI master, 4-bits SDIO1.1	
	PATA	1 x EIDE (UDMA 100)
	USB	8 x USB 2.0
	Audio	High definition audio interface
	GPIO	8-bit GPIO
Power	Power Type	ATX, AT
	Power Supply Voltage	+12 V only
	Power Consumption (Typical)	Typical: (1 GB DDR2 667)
		+12 V @ 0.477A, 5VSB @ 0.455A (Intel Z510 1.1G) +12 V @ 0.477A, 5VSB @ 0.453A (Intel Z530 1.6G)
Environment	Power Consumption (Max, test in HCT)	Max: (1 GB DDR2 667)
		+12 V @ 0.769A, 5VSB @ 0.456A (Intel Z510 1.1G) +12 V @ 0.898A, 5VSB @ 0.456A (Intel Z530 1.6G)
	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Mechanical	Operation Humidity	0% ~ 90% relative humidity, non-condensing
	Dimension	95 x 95 mm (3.74" x 3.74")

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	Chipset	LVDS	VGA	SDVO	10/100 LAN	HD Audio	PCIe x 1	PCI	USB 2.0	LPC	SMBUS	ATX Power	AT Power	Thermal Solution	Operation Temp.
SOM-6760FL-S1A1E	ATOM Z510 1.1 GHz	512K L2	Intel® SCH US15W	24-bit	V	See Note1	1	V	1	3	8	1	1	V	V	Passive	0 ~ 60 °C
SOM-6760FL-S6A1E	ATOM Z530 1.6 GHz	512K L2	Intel® SCH US15W	24-bit	V	See Note1	1	V	1	3	8	1	1	V	V	Passive	0 ~ 60 °C

Note 1 — SDVO Port is alternative by VGA function

Development Board

Part No.	Description
SOM-DB5700-00A2E	Development Board for COM-Express

Packing List

Part No.	Description	Quantity
	SOM-6760 CPU Module	1
	Utility CD	1
	Heat spreader	1