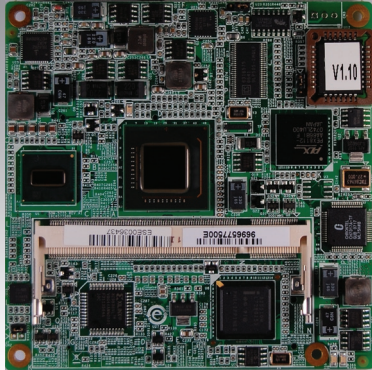


SOM-6760

Intel® Atom™ processor SOM-Express
Micro with CPU, VGA/LVDS, Audio & LAN

Preliminary



Features

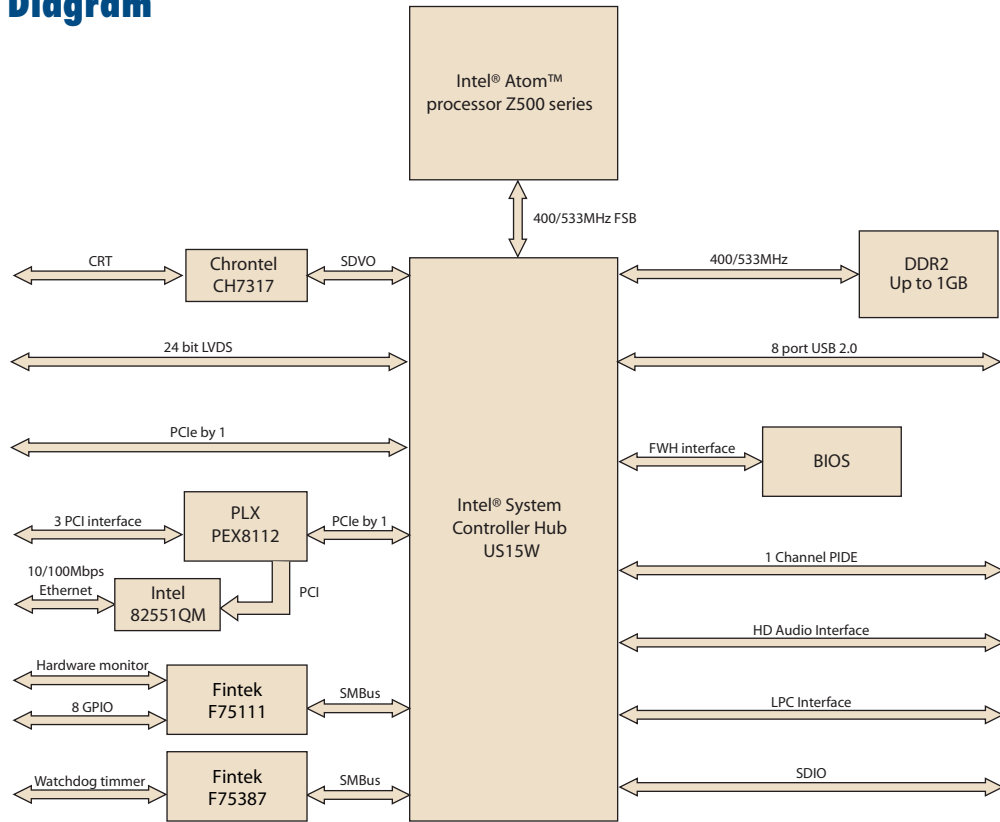
- Supports Intel® Atom™ processor Z500 series
- Supports dual channel LVDS up to 24-bit TFT panel
- Supports DDR2 533 MHz SODIMM Memory up to 1 GB
- 10/100 Mbps Lan/8 USB 2.0 / 1 PCIe x1



Specification

Processor System	CPU	Intel® Atom processor Z500 series
	System Memory	1 x 200-pin SODIMM sockets, Double Data Rate 2 (DDR2) up to 1 GB, DDR 533 MHz
	System Chipset	Intel® System Controller Hub US15W
	BIOS	AWARD™ 4 M bit Flash BIOS Controller US 15 W
	WatchDog Timer	256 levels timer interval, from 0 to 255 sec. or min, setup by software, jumperless selection, generates system reset
I/O	Expansion Interface	Supports PCI Express & PCI/LPC interface
	PATA	1 x EIDE (UDMA 100)
	SATA	N/A
	Audio	High definition audio interface
	USB	8 x USB 2.0 compliant ports
Ethernet	Chipset	Intel 82551QM 10/100Mbps Ethernet Chip
	Speed	IEEE 802.3u 100Base-T Fast Ethernet
Display	Chipset	Intel® SCH US15W Integrated Graphic, Support H.264 HD video decode
	Memory Size	Share System Memory (UMA)
	Resolution	CRT Display Mode: Up to 1600 x 1200 @ 24bit LCD Interface: Supports 24bit LVDS up to 1280 x 1024
Power	Power Supply Voltage	+12 V only
	Power Requirement	TBD
Environmental	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Mechanical	Dimensions (L x W)	95 x 95 mm (3.74" x 3.74")

Board Diagram



Ordering Information

Standard

Part No.	CPU
SOM-6760FL-S1A1E	Intel® Atom™ processor Z510
SOM-6760FL-S6A1E	Intel® Atom™ processor Z530

Development Board

Part No.	Description
SOM-DB6760-00A2E	Development Board for COM Express