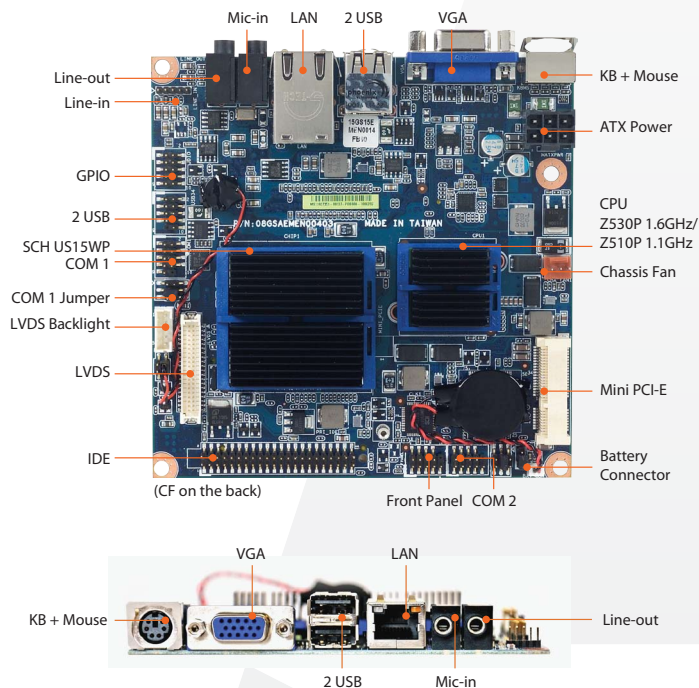


DS2670-MXL

Intel® Atom™ Z510P/ Z530P Processor Nano-ITX Motherboard



Features

- Supports Intel® Atom™ Z510P 1.1GHz/ Z530P 1.6GHz 45nm CPU
- Intel® System Controller Hub US15WP
- One 200-pin SODIMM up to 2GB DDR2 400/ 533 SDRAM
- Supports VGA & 18/24-bit LVDS Dual Display
- Realtek ALC888, 5.1 + 2 Channel with 2 independent HD Streaming Audio
- Realtek RTL8111C Gigabit LAN
- 1 Mini PCI-E, 1 CF
- 4 USB 2.0, 2 COM RS-232, 1 IDE
- 8-bit GPIO

Specifications

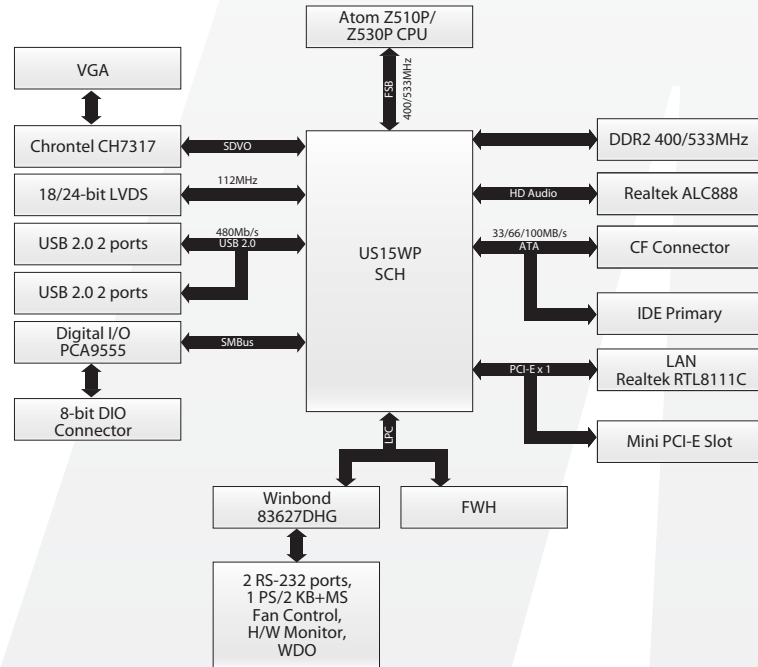
System	
CPU	Supports Intel® Atom™ Z510P 1.1GHz/ Z530P 1.6GHz with 45nm process technology
FSB	400/533 MHz
BIOS	Award 8Mb FWH BIOS
System Chipset	Intel® System Controller Hub US15WP
I/O Chip	Winbond W83627DHG
System Memory	One 200-pin SODIMM socket supports up to 2GB DDR2 400/533MHz SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring CPU temperature, voltage and cooling fan status. Auto throttling control when CPU overheats
Expansion	1 Mini PCI-E, 1 CF
Power State	S1, S3, S4
Wake up on LAN or Ring	LAN (PXE)
Smart Fan Control	Yes, Chassis Fan
I/O	
MIO	1 IDE, 2 COM RS-232, 1 PS/2 Keyboard + Mouse
USB	4 USB 2.0
GPIO	PCA9555 supports 8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Display	
Chipset	Intel® System Controller Hub US15WP
Display Memory	Intel® Graphics Media Accelerator 500 (Intel® GMA 500)
Max. 3D Resolution	LVDS Display : 1366 x 768 @85Hz Ext Display: 1280 x 1024 @ 85 Hz maximum resolution
Dual Display	LVDS + VGA
VGA	On board
LVDS	18/24-bit single channel
LVDS Backlight	5V and 12V

Audio	
Audio Codec	Realtek ALC888, 5.1 + 2 CH HD Audio
Audio Interface	Mic-in, Line-out (2 jacks), Line-in pin header

Ethernet	
LAN	Realtek RTL 8111C Gigabit LAN

Block Diagram



DS2670-MXL

Back Panel I/O Port

- 1 PS/2 Keyboard + Mouse
- 1 VGA Port
- 2 USB 2.0 Ports
- 1 LAN RJ45 Ports
- Audio I/O (2 jacks)

Internal I/O Connector

- 1 USB Connector supports 2 USB Ports
- 2 COM RS-232 Port pin Header
- 1 LVDS Inverter Connector
- 1 Chassis Fan Connector
- 1 GPIO Connector
- 1 IDE Connector
- 1 CF Socket (on the back)
- 1 Mini PCI-E

Mechanical & Environmental

Power Requirement	DS2670-MXL (Z530P)		
		+12V	+5V
	0.95A	1.17A	1.00A
Power Requirement	DS2670-MXL (Z510P)		
		+12V	+5V
	0.98A	1.40A	1.00A

Power Type ATX

Power Connector 1 6-pin ATX Power Connector
1 12V Chassis Fan Connector

Operating Temperature 0 to 60°C (32 to 140 °F)

Operating Humidity 0% to 90% relative humidity, non-condensing

Size (L x W) 4.72" x 4.72" (120 mm x 120 mm)

Weight 0.3 lbs(0.14Kg)