

### Features

- Intel® Atom™ BGA Z530P-XL/Z510P Low Power CPU
- 533 MHz FSB
- Low power consumption
- Intel® US15WP Single Chipset Solution
- up to 2 GB DDR2 SO-DIMM system memory
- Intel® GMA 500 Graphics Engine
- Dual Display: LVDS + VGA
- 1 Mini PCIe, Compact Flash
- 4 USB, GPIO, 1 Gigabit LAN
- 2 COM ports
- Falness Operation
- Nano ITX Form Factor (4.72" x 4.72")
- RoHS Compliant

### Specification

#### System

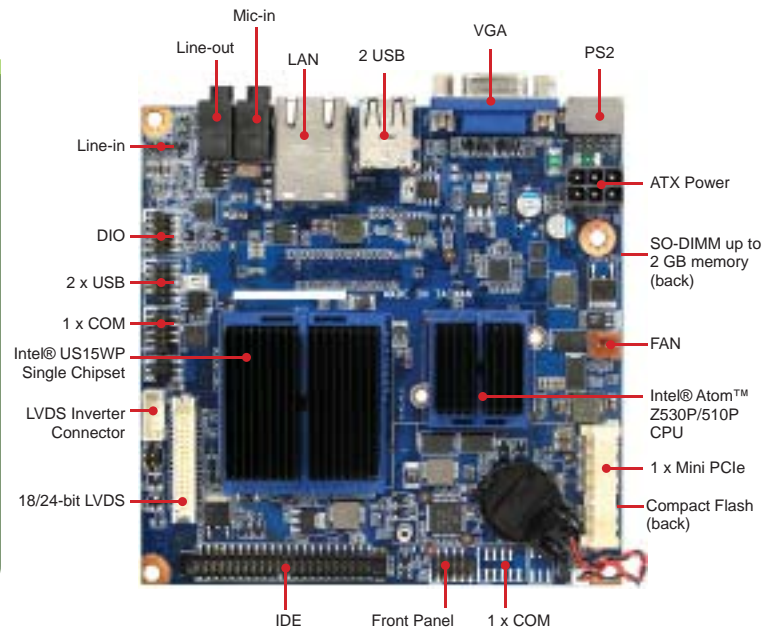
CPU	Onboard Intel® Atom™ Z530P 1.6 GHz or Z510P 1.1 GHz Low-power processor, 533 MHz FSB
FSB	533 MHz FSB
Chipsets	Intel® US15WP Single Chipset
System Memory	One 200-pin SO-DIMM slot supports up to 2 GB 400/533 MHz
BIOS	AMI BIOS 8Mb SPI ROM
Expansion Interface	1 x Mini PCI Express slot 1 x Compact Flash socket
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats

#### Display

Video Engine	Intel® Graphics Media Accelerator 500, DirectX 9.0C, built-in H.264/MPEG2/MPEG4/WMV9/VC-1 HW acceleration
Display Memory	166 MHz core render clock and 200 MHz core display clock at 1.05 V core voltage
Resolutions	LVDS: up to 1600 x 1200 CRT: up to 1920 x 1080

#### I/O

MIO	1 x IDE, Front Panel, Fan, ATX Power, PS2
USB	Rear I/O: 2 x USB Onboard: 1 x USB pin header for additional 2 USB
COM	2 x RS-232 for COM1 - COM2
VGA	1 x VGA
LVDS	1 x 18/24-bit LVDS
Inverter	1 x Inverter Control Header
GPIO	1 x 8-bit GPIO Header



#### Audio

AC'97 Codec	Realtek® ALC888 8 Channel HD Audio
Audio Interface	Line-out, Mic-in, Line-in

#### Ethernet

LAN 1	Realtek® ALC8111C (1000Base-T Fast Ethernet)
-------	--

#### Mechanical and Environment

Power Type	ATX Power
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	5%~95% relative humidity, non-condensing
Form Factor	Nano ITX
Dimensions	4.72" (L) x 4.72" (W)
Weight	0.4 lbs



### Ordering Information

#### NX530Z

Intel Atom Z530P 1.6 GHz CPU, US15WP Chipset, 1 Mini PCIe, CF, VGA, LVDS, 4 USB, 2 COM, Fanless Operation

#### NX510Z

Intel Atom Z510P 1.1 GHz CPU, US15WP Chipset, 1 Mini PCIe, CF, VGA, LVDS, 4 USB, 1 COM, Fanless Operation

\* All product specifications are subject to change without notice. Last update: 03/29/2010