

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")
- Note: NX510Z is OEM only* (see ordering information for detail)

Specification

System

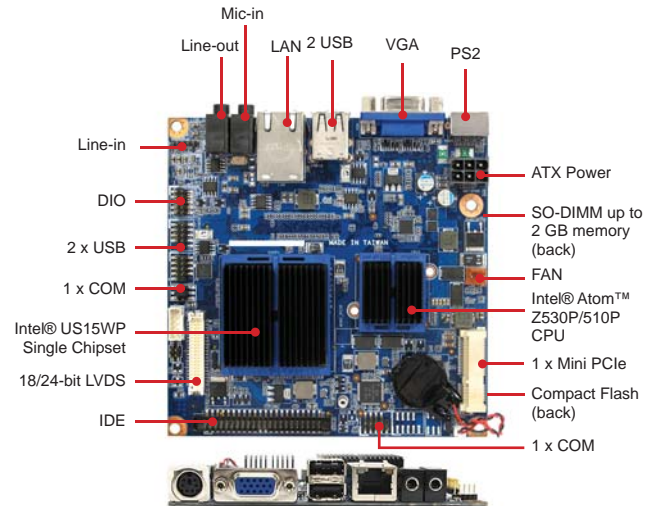
CPU	Onboard Intel® Atom™ Z530P 1.6 GHz or Z510P 1.1 GHz Low-power processor, 533 MHz FSB
FSB	533 MHz FSB
Chipsets	Intel® US15WP Single Chipset
System Memory	One 200-pin SO-DIMM slot supports up to 2 GB 400/533 MHz
BIOS	AMI BIOS 8Mb SPI ROM
Expansion Interface	1 x Mini PCI Express slot 1 x Compact Flash 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)
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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

* OEM products are designed for OEMs with ongoing and consistent order requirements and subject to minimum order quantities. Evaluation units are available without such restrictions. BCM has multiple stocking distributors that may be able to work with OEMs to streamline product deliveries. Please contact BCM Sales for more information on any OEM products you may be interested in.

NX530Z

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

NX510Z (OEM only*)

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