

Pico-ITX with Intel® Atom™ Z510P processor, onboard Audio, Giga LAN, USB2.0, COM, CF socket, PCIE mini card socket, VGA/DVI/LVDS



## Features

- ❖ Intel® Atom™ processor Z510P @ 1.1 GHz
- ❖ Intel® SCH US15WP Chipset
- ❖ (1) DDR2 SO-DIMM up to 2.0 GB
- ❖ Optional HDMI connector for DVI interface
- ❖ (1) Compact Flash Type II socket
- ❖ (2) Intel® 82574L Gigabit Ethernet
- ❖ Realtek ALC888 HD Audio

## Specification

### System >>>

CPU	Intel® Atom™ Z510P, 1.1 GHz Package type : 437pin FCBGA8 with an IHS FSB : 400 MHz
Chipset	Intel® SCH US15WP
Memory	1 x 200-pin DDR2 SO-DIMM SDRAM up to 2GB
BIOS	Phoenix-Award
Watchdog Timer	Generates a system reset internal timer for 1sec/min ~ 255 sec/min
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages

### I/O Interfaces >>>

Serial ATA IDE	N/A N/A
Solid State Disk	1 x CompactFlash Type-II socket
Expansion Interface	1 x PCIe mini card socket
Internal I/O Port	1 x Audio, 2 x USB2.0, 1 x LVDS, 1 x LCD Inverter, 2 x RS232, 1 x LPC
External I/O Port	1 x VGA or DVI 1 x LAN 1 x Keyboard/Mouse (6Pin)
GPIO Interface	N/A

### Audio >>>

Audio Codec Interface	Intel® SCH integrated with Realtek ALC888 HD Codec Pin header for High Definition Audio interface
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### Display >>>

Graphics	Intel® integrated extreme GMA 500 technology
CRT	Resolutions up to 2048 x 1536 @ 75 Hz
DVI	HDMI Connector for DVI interface (PICO-171DG) only
LVDS	Onboard 18/24-bit single channel LVDS. Dual channel 18/24-bit LVDS for optional

### Ethernet >>>

Controller	1 x Intel® 82574L Gigabit Ethernet
Interface	RJ-45
iAMT	Supports Intel
Wake On LAN	Yes

### Mechanical and Environmental >>>

Form Factor	Pico-ITX Motherboard
Dimensions	100 mm x 72 mm (L x W)
Operating Temp.	0°C ~ 60°C (32 ~ 140°F)
Storage Temp.	-20°C to 85°C
Relative Humidity	10% to 90%, non-condensed

### Power >>>

Power Requirement	DC 12V input
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## Ordering Information

Model Number	Description / Configuration
PICO-171G	Intel® Atom™ Z510P processor, onboard Audio, Gigabit LAN, USB2.0, COM, CF socket, PCIE mini card socket, VGA & 18/24-bit single channel LVDS
PICO-171DG	Intel® Atom™ Z510P processor, onboard Audio, Gigabit LAN, USB2.0, COM, CF socket, PCIE mini card socket, DVI & 18/24-bit single channel LVDS