

Industrial Single Board Computer

PICO-ITX

LP-171

Intel® Atom™ Processor, Onboard LVDS

VGA, DVI, Giga LAN, USB2.0, HD Audio

CF socket, PCIE Mini-Card



Form Factor	PICO-ITX
CPU	Intel® Atom™ Z510P processor 1.1GHz Package type: 437pin FCBGA8 with an IHS, Front side bus: 400MHz
Memory	One 200-pin DDR2 400 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only *Memory chip with width x16 bits is strongly recommended!
System Chipset	Intel® SCH US15WP
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Power Management	ACPI 1.0 compliant, supports power saving mode
Integrated Graphics	Intel® integrated extreme GMA 500(Graphic Media Accelerator) Technology
Video Memory	Up to 256MB shared with system memory
LVDS interface	Chipset Integrated 18/24-bit single channel LVDS with Hirose connector with +3.3V/5V supply Support 18/24-bit dual channel LVDS by MPX-SDVOX(LP-171X)
DVI Interface	Chrontel CH7307C Transmitter with HDMI connector for DVI interface(LP-171D)
VGA Interface	Chrontel CH7317A Transmitter with DSUB15 connector for VGA interface(LP-171T)
Solid State Disk	One Compact Flash Type II socket
Audio Interface	Intel® SCH integrated with Realtek ALC888 HD Codec
LAN Interface	Intel® 82574L Gigabit Ethernet controller
Extended Interface	1 x PCIE mini card socket
Internal I/O Port	1 x AUDIO, 1 x LVDS, 1 x LCD Inverter, 2 x USB2.0 2 x RS232, 1 x LPC
External I/O Port	VGA/DVI, 1 x RJ45, 1 x PS2
Power Requirement	12V DC Input
Dimension	100mm x 72mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LP-171QT	Support Intel® Atom Z510P processor with onboard VGA , LVDS, Audio, Giga LAN USB2.0, CF, PCIE mini card
LP-171QD	Same as LP-171QT but without VGA, support DVI
LP-171QX	Same as LP-171QT but without VGA, support 18/24-bit dual channel LVDS by MPX-SDVOX (Note : Onboard MIni-PCle socket support MPX-SDVOX only)