

Industrial Single Board Computer

Pico-ITX

LP-170

Intel® Atom™ Processor, Onboard LVDS
VGA, Giga LAN, USB2.0, HD Audio,
SATA, CF socket, PCIE Mini-Card



Form Factor	Pico-ITX
CPU	Intel® Atom™ N450 processor 1.66GHz(LP-170G) Intel® Atom™ D410 processor 1.66GHz(LP-170H) Intel® Atom™ D510 processor 1.66GHz(LP-170A) Intel® Atom™ D525 processor 1.80GHz(LP-170C) Package type: FCBGA
Memory	1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 2GB(LP-170G Only) 1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 4GB(LP-170H/A/C Only) Non-ECC, unbuffered memory supported only
System Chipset	Intel ICH8M
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 3150(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
LVDS interface	Chipset Integrated 18-bit single channel LVDS with Hirose connector
Serial ATA interface	1 x serial ATAll interface with 300MB/s transfer rate
Solid State Disk	1 X Compact Flash Type II socket
Audio Interface	Intel ICH8M integrated with Realtek ALC888 HD Codec
LAN Interface	Intel 82583V 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, 4 x USB2.0, 1 x SATAII 2 x RS232, 1 x LPC
External I/O Port	1 x RJ45 , 1 x VGA, 1 x PS2
Power Requirement	12V DC Input
Dimension	100mm x 72mm
Weight	87.7g
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LP-170G	Support Intel® Atom N450 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card
LP-170H	Support Intel® Atom D410 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card
LP-170A	Support Intel® Atom D510 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card
LP-170C	Support Intel® Atom D525 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF, PCIE mini card

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