

Industrial Single Board Computer

PICO-ITX

LP-172

Intel® Atom™ Processor with DDRIII SO-DIMM, CRT, LVDS, Gigabit LAN, USB2.0, HD Audio, Serial ATAI, PCIE mini card, LPC



Form Factor	PICO-ITX
CPU	Intel® Atom™ CedarTrail Processor with optional D2700 or N2800 Package type : Micro-FCBGA8
Memory	1 x DDRIII SO-DIMM 800/1066 MHz up to 4GB, Support Non-ECC, unbuffered memory only
Chipset	Intel® NM10
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	Supports ACPI 3.0 compliant
Serial ATA Interface	1 x serial ATAI interface with 300MB/s transfer rate
Integrated Graphics	Intel® integrated extreme GMA 3650(Graphic Media Accelerator) Technology
VGA Interface	Onboard DSUB15 connector for VGA interface
LVDS Interface	Onboard 18-bit signal channel LVDS connector with +3.3V/+5V supply (N2800) Onboard 18 and 24-bit signal channel LVDS connector with +3.3V/+5V supply (D2700)
DVI interface	Optional
Audio Interface	REALTEK ALC888 HD Audio Codec
LAN Interface	1 x Intel® 82583V Gigabit Ethernet controller
Extended Interface	1 x PCIe mini card socket(Optional support mSATA)
Internal I/O Port	4 x USB2.0, 1 x LVDS, 1 x CN_INV, 2 x RS232, 1 x Serial ATAI, 1 x HD Audio, 1x LPC
External I/O Port	1 x VGA, 1 x RJ45, 1 x PS2
Power Requirement	5V DC Input
Dimension	100mm x 72mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LP-172D	Support Intel® Atom™ CedarTrail D2700 processor with onboard VGA, 18 and 24-bit LVDS, Audio, Giga LAN, USB2.0 .SATAI, PCIE mini card
LP-172N	Support Intel® Atom™ CedarTrail N2800 processor with onboard VGA, 18-bit LVDS, Audio, Giga LAN, USB2.0 .SATAI, PCIE mini card
MPX-SDVOD	PCIE mini card support DVI module

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