

Industrial Single Board Computer

PICO-ITX

LP-173

Support Intel® Celeron® Processor J1900/N2930/E3845 CPU with Onboard VGA, DVI, LVDS, HD Audio, Serial ATAII, USB3.0 & 2.0, Gigabit LAN, PCIE Mini card or mSATA



Form Factor	PICO-ITX
CPU	Intel® Processor J1900/N2930/E3845, package type FCBGA1170
Memory	1 x DDR3L (support 1.35V) 1066/1333 SO-DIMM up to 8GB
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 5.0 compliant
Serial ATA Interface	1 x serial ATA interface with 300MB/s(3Gb/s) transfer rate
VGA Interface	Intel® Clear Video integrated HD Graphics Technology
LVDS Interface	1 x Onboard 24-bit dual channel LVDS connector with +3.3V/+5V supply
Audio Interface	Realtek ALC262 High Definition Audio Codec
LAN Interface	1 x Intel® I210 Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface.
Extended Interface	1 x PCIE Mini card or mSATA
Internal I/O Port	2x RS232, 1 x GPIO, 1 x Audio connector, 1 x CRT, 1 x LVDS, 1 x LPC, 2 x USB 2.0(EHCI) and 1 x SATAII
External I/O Port	1 x DVI port, 1 x RJ45 LAN ports, 1 x USB 3.0(XHCI)/2.0(EHCI) port, 1 x USB 2.0 port(EHCI).
Power Requirement	6~27V DC Input
Dimension	100mm x 72mm
Temperature	Operating within 0~60 centigrade(for LP-173J and LP-173N serial) Storage within -20~85 centigrade.(for LP-173J and LP-173N serial) Operating within -40~85 centigrade(for LP-173E serial) Storage within -40~85 centigrade.(for LP-173E serial)

Ordering Code

LP-173J	Intel Celeron Processor J1900 (2M Cache, 2.42GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card or mSATA, GPIO, LPC
LP-173N	Intel Celeron Processor N2930 (2M Cache, 2.16GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card or mSATA, GPIO, LPC
LP-173E	Intel Atom Processor E3845 (2M Cache, 1.91GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card or mSATA, GPIO, LPC