

## 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, mSATA



|                             |   |
|-----------------------------|---|
| <b>Form Factor</b>          | PICO-ITX  |
| <b>CPU</b>                  | Intel® Celeron® Processor J1900/N2930/E3845, package type FCBGA1170   |
| <b>Memory</b>               | 1 x DDR3L (support 1.35V) 1066/1333 DIMM up to 8GB  |
| <b>Real Time Clock</b>      | Chipset integrated RTC with onboard lithium battery   |
| <b>Watchdog Timer</b>       | Generates a system reset with internal timer for 1min/s ~ 255min/s  |
| <b>Power Management</b>     | Supports ACPI 5.0 compliant   |
| <b>Serial ATA Interface</b> | 1 x serial ATA interface with 300MB/s(3Gb/s) transfer rate  |
| <b>VGA Interface</b>        | Intel® Clear Video integrated HD Graphics Technology  |
| <b>LVDS Interface</b>       | 1 x Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply   |
| <b>Audio Interface</b>      | Realtek ALC262 High Definition Audio Codec  |
| <b>LAN Interface</b>        | 1 x Intel® I210 Gigabit LAN   |
| <b>GPIO interface</b>       | Onboard programmable 8-bit Digital I/O interface.   |
| <b>Extended Interface</b>   | 1 x PCIE Mini card or mSATA   |
| <b>Internal I/O Port</b>    | 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             |
| <b>External I/O Port</b>    | 1 x DVI port (over HDMI Connector), 1 x RJ45 LAN ports, 1 x USB 3.0(XHCI)/2.0(EHCI) port, 1 x USB 2.0 port(EHCI). |
| <b>Power Requirement</b>    | 6~27V DC Input  |
| <b>Dimension</b>            | 100mm x 72mm  |
| <b>Temperature</b>          | Operating within 0~60 °C (for LP-173J and LP-173N serial)<br>Operating within -40~75 °C (for LP-173E serial)      |

### Ordering Code

|                                   |  |
|-----------------------------------|--|
| <b>LP-173J</b><br>Art. No. 140750 | Intel Celeron Processor J1900 (2M Cache, 2.42GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, GPIO, LPC, mSATA |
| <b>LP-173N</b><br>Art. No. 140752 | Intel Celeron Processor N2930 (2M Cache, 2.16GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, GPIO, LPC, mSATA |
| <b>LP-173E</b><br>Art. No. 140753 | Intel Atom Processor E3845 (2M Cache, 1.91GHz), DVI, LVDS, CRT, Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAII, Audio, PCIE Mini card, GPIO, LPC, mSATA    |