



Industrial Mini-ITX Motherboard supports Intel® Celeron® Processor J1900 (up to 2.42 GHz) SoC, VGA/HDMI/LVDS, USB 3.0, PCI Express Mini Card, PCIe x1, and HD Audio



Features

- Intel® Bay Trail-D 2.0GHz SoC
- Dual Gigabit Ethernet supported
- (1) SATA-300 & (1) mSATA
- Watchdog & Hardware Monitor function
- HDMI/ VGA/LVDS multiple outputs

CPU

- Intel® Celeron® processor J1900 (up to 2.42 GHz) quad core SoC (Bay Trail)

Chipset

- SoC integrated

System Memory

- (1) 204-pin SO-DIMM dual channel DDR3L-1333, Max up 8 GB

Display Interface

- Intel® HD Graphics
- (1) HDMI & (1) VGA
- (1) LVDS 24 bit dual channel

Ethernet

- (2) Realtek RTL8111E for Gigabit LAN support WoL & PXE

Audio

- HD Audio as Mic-in/Line-out with Realtek ALC662

I/O Interface

- (4) RS232 & (2) RS232/422/485 serial ports
- (1) USB 3.0 and (5) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (1) SATA-300 & (1) mSATA
- (1) SIM slot

Onboard Expansion

- (1) PCIe x1
- (1) PCI Express mini card with SIM socket

Power Requirement

- 12VDC or Standard ATX

Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

Dimension

- 170mm x 170mm

Ordering Information

MBC-4506A2GNL	Intel® Bay Trail-D Celeron® J1900 mini ITX SBC, VGA/HDMI/LVDS, Dual GbE LAN, USB 3.0, PCIe x1, PCI express mini card and HD Audio
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