



## mITX-1900A

Mini-ITX Embedded Motherboard with Intel® J1900 Processor, Dual Channel DDR3L memory, PCI, 6 x COM, 1 x SATA II, 6 x USB

### Key Features

- Mini-ITX form factor
- Intel® Celeron® Processor J1900
- Dual Channel DDR3L, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 1 x SATA 3Gb/s port
- HDMI, D-Sub, eDP (in option), LVDS ports for multiple display
- Realtek ALC269 audio codec
- 1 x PCIe x4 (Gen2 x 2) expansion slot
- 6 x COM ports

### Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK / POS
- Embedded & Industrial Applications
- NAS

## SPECIFICATION

Mini-ITX Embedded Motherboard with Intel® J1900 Processor, Dual Channel DDR3L memory, PCI, 6 x COM , 1 x SATA II, 6 x USB

|                        |  |
|------------------------|--|
| <b>FORM FACTOR</b>     | Mini-ITX<br>170W x 170D(mm)  |
| <b>CPU</b>             | Intel Celeron® Processor J1900, 14nm, 4 cores, 4 threads<br>2.0 - 2.42 GHz<br>TDP 10W max  |
| <b>SOCKET</b>          | 1 x BGA 1170   |
| <b>MEMORY</b>          | 2 x SO-DIMM DDR3L slots, Up to 8GB<br>Dual channel memory architecture<br>1.35V modules: 1333 MHz  |
| <b>ETHERNET</b>        | 2 x GbE LAN ports (Realtek RTL8111G)   |
| <b>VIDEO</b>           | Intel HD Graphics, supporting:<br>1 x HDMI port: max. resolution 1920x1080 at 60Hz<br>1 x D-SUB port: max. resolution 2560x1600 at 60Hz (with compatible displays)<br>1 x Onboard LVDS: max. resolution 1920x1200 (in 8-bit input with 60Hz refresh)   |
| <b>AUDIO</b>           | Realtek ALC269 controller<br>High Definition Audio   |
| <b>STORAGE</b>         | 1 x SATA 3Gb/s port, support SATA DOM  |
| <b>EXPANSION SLOTS</b> | 1 x Full-size mSATA slot<br>1 x Full-size Mini-PCIe slot<br>1 x PCI slot   |
| <b>INTERNAL I/O</b>    | 1 x 4-pin 12V ATX power connector<br>5 x COM headers<br>(COM1 supports RS232/422/485, COM3 supports 5V/12V selectable)<br>1 x PS/2 Keyboard + mouse header<br>1 x LVDS 18/24bit header<br>1 x Backlight control header<br>1 x SATA power header<br>1 x SATA 3Gb/s port<br>1 x mSATA slot<br>2 x USB 2.0 header<br>1 x LPC header<br>1 x GPIO (8 bits) & SMBUS header<br>1 x AT/ATX mode select jumer<br>1 x Front audio header<br>1 x 2W speaker header<br>1 x Front panel header<br>1 x CPU fan header<br>1 x System fan header |