



## iTXL-1900A

Thin Mini-ITX Embedded Motherboard with Intel® J1900 Processor, Dual Channel DDR3L memory, 1 x COM, 2 x SATA 3Gb/s, 6 x USB

### Key Features

- Thin Mini-ITX form factor
- Intel® Celeron® Processor J1900
- Dual Channel DDR3L, 2 x SO-DIMMs
- 1 x GbE LAN port
- 2 x SATA 3Gb/s ports, 1 x SATA 6Gb/s (option)
- HDMI, Display Port, LVDS & eDP ports for multiple display
- Realtek ALC887 audio codec
- 1 x PCIe x4 (2.0 x4 bus)
- 1 x RS232 COM port

### Application

## SPECIFICATION

Thin Mini-ITX Embedded Motherboard with Intel® J1900 Processor, Dual Channel DDR3L memory, 1 x COM, 2 x SATA 3Gb / s, 6 x USB

<b>FORM FACTOR</b>	Thin Mini-ITX 170W x 170D(mm)
<b>CPU</b>	Intel Celeron J1900 4 cores / 4 threads 2.0 - 2.42 GHz TDP 10W max.
<b>SOCKET</b>	1 x BGA 1170
<b>MEMORY</b>	2 x SO-DIMM DDR3L sockets, Max. Capacity 8GB Dual channel memory architecture Support DDR3L 1333MHz memory modules
<b>ETHERNET</b>	1 x GbE LAN ports (Realtek® RTL8111G)
<b>VIDEO</b>	Intel HD graphics, supporting: 1 x HDMI port: max. resolution 1920x1080 at 60Hz 1 x D-SUB port: max. resolution 2560x1600 at 60Hz (with compatible displays) 1 x Onboard LVDS: max. resolution 1920x1080 (in 8-bit input with 60Hz refresh)
<b>AUDIO</b>	Realtek ALC887 + ALC105 Amplifier Supports 2/4/5.1/7.1 channel configurations High Definition Audio
<b>STORAGE</b>	1 x SATA 6Gb/s port (Optional) 2 x SATA 3Gb/s ports EMMC (Optional)
<b>EXPANSION SLOTS</b>	1 x PCIe x4 (2.0 x4 bus) 1 x mSATA 6Gb/s slot (Option) 1 x Half-size mini-PCIe slot
<b>INTERNAL I/O</b>	1 x 2-pin power connector 1 x CPU fan header 1 x System fan header 1 x SATA III 6Gb/s port (white)(option) 2 x SATA II 3Gb/s ports (black) 1 x mSATA slot (Optional) 1 x SATA power connector 3 x USB 2.0 headers 1 x Front panel header 1 x Front audio header 1 x Digital microphone header 1 x LVDS 18/24bit connector 1 x Backlight jumper 1 x COM Header (RS-232)

	<p>1 x LPT header  1 x 3W Speaker out header  1 x FPD ( For LVDS 19V )  1 x FPD_SW 1x3 ( For Panel Power SW )  1 x LCD_VCC Pin header  1 x Micro SD connector  1 x Clear CMOS jumper</p>
<b>REAR I/O</b>	<p>2 x Audio jacks (Line out, Mic in)  1 x HDMI  1 x VGA  1 x RJ45  2 x USB2.0  1 x USB3.0  1 x DC Jack (+12V/+19Vdc)</p>
<b>OS COMPATIBILITY</b>	<p>Windows 7 (x64)  Windows 8 (x64)  Windows 8.1 (x64)</p>
<b>PSU CONNECTORS</b>	<p>1 x DC-in (+12/+19Vdc)  1 x 2-pin ATX power connector</p>
<b>OPERATING PROPERTIES</b>	<p>Operating temperature: 0°C to 60°C  Operating humidity: 0-90% (non-condensing)  Non-operating temperature: -20°C to 70°C  Non-operating humidity: 0%-95% (non-condensing)</p>
<b>PACKING CONTENT</b>	<p>Bulk Packing Capacity: 20pcs  Carton size: 550 x 451 x 330(mm)  Content:  IO Shield x 1 (12AIO-MZBAY1-00R)  IO Shield STD x 1(12AIO-MZBAY0-00R)  SCREW I HEAD M2x4L H=0.8 x 3 (25KSG-130042-S0R)  SATA Power cable x 1 (25CRI-710300-S8R)  Driver CD x 1 (12DC1-10MZBA-00R)</p>
<b>ORDER INFORMATION</b>	9MZBAYAINR-SI
<b>OPTIONAL KIT</b>	<p>TPM 1.2 module: 9CMUFLNR-00  TPM 2.0 module: 9CTM000NR-00</p>