



## MX1900J

Intel® Atom™ Celeron® J1900 Processor Mini ITX Motherboard

- ▶ Onboard Intel® Celeron® Processor J1900 (2M Cache, Up to 2.42 GHz)
- ▶ Two 204-pin SO-DIMM sockets support up to 8GB DDR3L 1333 MHz
- ▶ VGA, DP, Dual-channel 18/24-bit LVDS
- ▶ 2 x Intel® i211-AT PCIe Gigabit Ethernet
- ▶ Realtek ALC892 HD Audio Codec
- ▶ Stereo Class-D 2W x 2 Audio Amplifier
- ▶ 1 x Mini PCIe Supported mSATA, 1 x Mini PCIe
- ▶ 2 x SATA II
- ▶ 4 x USB 3.0, 4 x USB 2.0
- ▶ 1 x RS-232, 1 x 8-bit GPIO
- ▶ DC-in +12V

### + Spec

System	
<b>Processor</b>	Onboard Intel® Celeron® Processor J1900 (2M Cache, Up to 2.42 GHz)
<b>System Memory</b>	2 x 204-pin DDR3L 1333 MHz SO-DIMM up to 8 GB
<b>I/O Chip</b>	Nuvoton NTC6776F
<b>BIOS</b>	AMI 32Mbit SPI BIOS
<b>Watchdog Timer</b>	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	
<b>Expansion</b>	1 x Mini PCIe 1 x mSATA
I/O	
<b>USB</b>	4 x USB 3.0 4 x USB 2.0
<b>SATA</b>	2 x SATA II
<b>Com Port</b>	1 x RS-232
<b>Other</b>	1 x LPT
<b>DIO</b>	1 x 8-bit GPIO
<b>MIO</b>	1 x LPT
Display	
<b>Chipset</b>	Intel® Atom™/ Celeron® SoC integrated Graphics Supports dual display
<b>Resolution</b>	VGA: Max. resolution 2048 x 1536 @ 60Hz LVDS: Max. resolution 1920 x 1200 @ 60Hz DP: Max. resolution 1920 x 1200 @ 60Hz LVDS + VGA, VGA + DPI, DP+ LVDS Dual-channel 18/ 24-bit LVDS
Audio	
<b>Chipset</b>	Realtek ALC892 supports 2-CH
<b>Audio Interface</b>	Mic-in and Line-out
<b>Audio Amplifier</b>	Stereo Class-D 2W x 2 Audio Amplifier
Ethernet	
<b>Chipset</b>	Intel® I211AT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>Lan Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Power Requirement</b>	+12V
<b>Power Type</b>	ATX
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	6.69" x 6.69" (170mm x 170mm)
<b>Weight</b>	1.03lbs (0.47kg)

Ordering Information

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