



# MI-J1900SL

## BAY TRAIL THIN MINI-ITX MOTHERBOARD



Intel® Bay Trail  
Celeron J1900 processor



1 x HDMI (2560 x 1600 @60 Hz)  
1 x VGA (2048 x 1536 @60 Hz)  
1 x LVDS (1920 x 1200 @60 Hz)



support Wi-Fi/BT module  
support 3G/4G module



Mini-ITX form-factor  
170 mm x 170 mm (6.69" x 6.69")

### CPU

<b>CPU</b>	Intel® Celeron® J1900 processor
<b>Frequency</b>	2.42 GHz
<b>Chipset</b>	SoC
<b>Processing Units</b>	4 Cores
<b>TDP</b>	10 W

### System

<b>GPU</b>	Intel® HD Graphics
<b>Graphic Engine</b>	DirectX 11, OpenGL 4.0, OpenCL 1.2
<b>System Memory</b>	Up to 8 GB, 2 x SO-DIMM DDR3L-1333 MHz
<b>Storage</b>	1 x Full-size Mini-PCIe for MSATA 1 x 2.5" SATAIII
<b>TPM</b>	Optional: TPM2.0
<b>Watchdog Timer</b>	Yes
<b>Auto Power On</b>	Yes
<b>RTC</b>	Set up independently every day, a week as a cycle
<b>Remo on</b>	NA
<b>Power Requirement</b>	DC-IN, 12 V/19 V
<b>Dimensions</b>	170 mm x 170 mm (6.69" x 6.69")
<b>Fanless</b>	Yes
<b>Operating System</b>	Windows 7 (64bit) /Windows 8 (64bit) Windows 10 (64bit) /Linux Ubuntu (64bit)
<b>Operating Temperature</b>	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
<b>Humidity</b>	95% @ 60°C (non-condensing)

### Network

<b>Network Controller</b>	1 x Realtek RTL 8111H Gigabit Ethernet
<b>Wi-Fi/BT</b>	1 x Full-size Mini-PCIe for Wi-Fi/BT
<b>Mobile Network</b>	3G/4G Colay with 1 x Mini-PCIe for Wi-Fi/BT 1 x SIM Slot

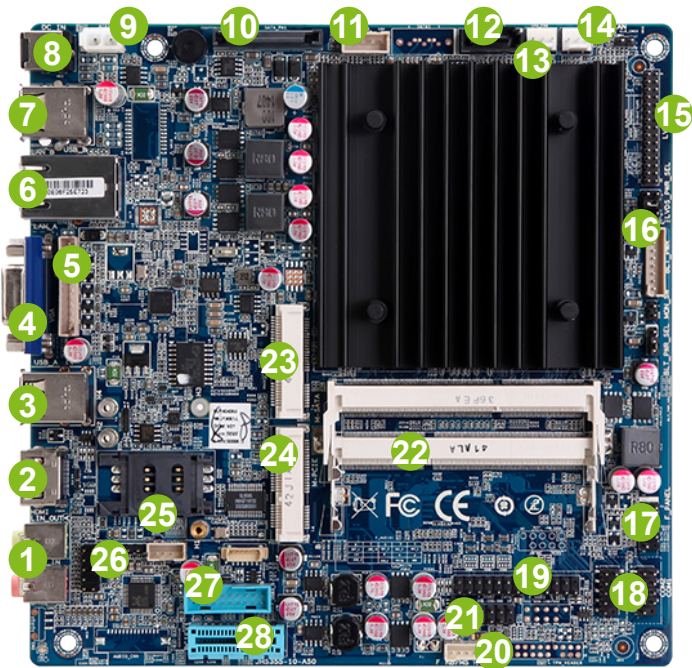
### Rear I/O

<b>USB</b>	4 x USB2.0
<b>Display Interface</b>	1 x HDMI (Max.2560 x 1600 @60 Hz) 1 x VGA (Max.2048 x 1536 @60 Hz)
<b>Audio</b>	1 x MIC-IN, 1 x AUDIO-OUT,
<b>Ethernet Interface</b>	1 x RJ45

### Internal I/O

<b>USB</b>	4 x USB2.0, signal by 2 x 9pin USB header 1 x F_USB3.2 Gen1
<b>Display</b>	1 x 12pin VGA header, 1 x 30pin dual channel 24bit LVDS (Max. 1920 x 1200 @60 Hz)
<b>Serial port</b>	2 x 9pin RS232
<b>PCIe</b>	1 x PCIe X1
<b>Power</b>	1 x 2pin ATX_PWR
<b>Audio</b>	1 x 4pin SPEAKER
<b>Others</b>	1 x 36pin LPT 1 x 6pin PS/2 1 x 9pin F_PANEL 1 x 2pin CLR_CMOS 1 x 6pin INVERTER 1 x 8pin+4pin SATA_PWR 1 x 3pin SYS_FAN, 1 x 3pin CPU_FAN

## Dimensions and Drawing



No.	Dimensions	No.	Dimensions
1	AUDIO_OUT, MIC_IN	20	F_PS/2
2	HDMI	21	USB HEADER
3	2*USB	22	2*SO-DIMM
4	VGA	23	MSATA
5	VGA_OUT	24	MINI-PCIE
6	LAN	25	SIM SLOT
7	2*USB	26	F_AUDIO
8	DC_IN	27	USB3.2 GEN1 HEADER
9	ATX	28	PCIE X1
10	SATA		
11	SATA_PWR		
12	SATAIII		
13	CPU_FAN		
14	SYS_FAN		
15	LVDS		
16	BLT_PWR		
17	F_PANEL		
18	2*COM		
19	LPT		

## Order information

MI-J1900DL V2 CPU: Intel Celeron J1900 processor,

## Optional

Wi-Fi/BT Module AzureWave® AW-CB161H,

Operation System Windows 10 (64bit)