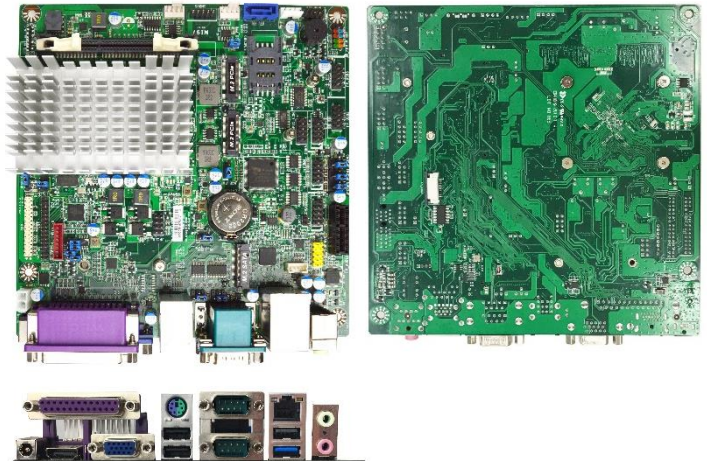


## MI97R Series

**Support Intel® Bay Trail N2930 SoC Processor, DDR3L SO-DIMM up to 8GB, 1\* M.2 (M-key, 2242/2280), 1\* M.2 (E-key, 2230), 1\* M.2 (B-key, 3042), 1\* GbE, 1\* 24-bit Dual CH LVDS (co-layout eDP)**

1. Support Intel® Bay Trail N2930 SoC Processor
2. 1\* DDR3L 1333MHz SO-DIMM up to 8GB
3. 1\* 10/100/1000 Base-TX Ethernet Port
4. 1\* HDMI, 1\* VGA, 1\* LVDS (co-layout with eDP)
5. 5\* COM (COM1 support RS232/422/485), 1\* USB3.0, 7\* USB2.0
6. 1\* M.2 M-key 2242/2280 (SATA interface), 1\* M.2 E-key 2230 (PCIe x1/USB2.0 interface), 1\* M.2 B-key 3042 (USB2.0 interface) W/SIM card holder
7. 1\* SATA II (3Gb/s)
8. Support 12V DC-in PWR
9. 1\* PCIe x1 slot
10. Support TPM2.0 (MI97R32)



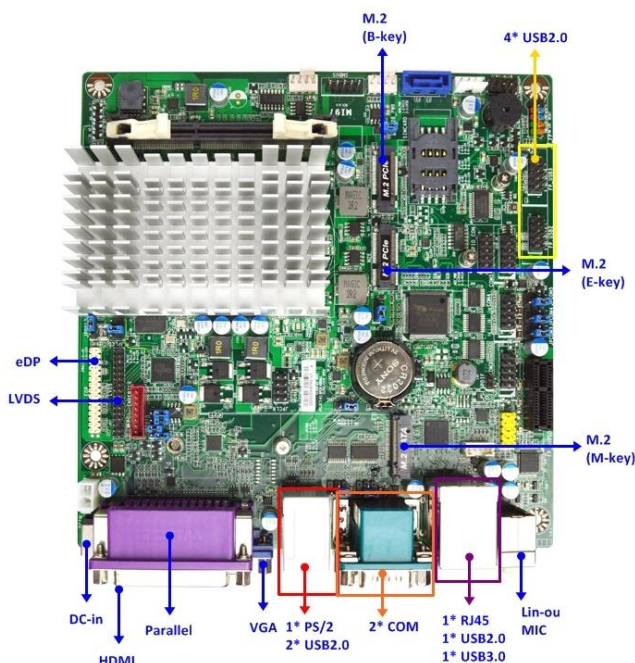
### Overview

The JETWAY MI97R Series is Mini ITX form factor board adopts the Intel® Bay Trail N2930 SoC Processor. The board supports one SO-DIMM DDR3L 1333Mhz memory, up to 8GB. Featuring the integrated Realtek Gigabit Ethernet controller, the MI97R offers one 10/100/1000Base-TX Ethernet device for network transmission. One SATAII (3Gb/s) interface and one M.2 (M-key 2242/2280, SATA interface) offer storage devices. One USB3.0, seven USB2.0 ports and five COM ports provide versatile expansion. The M.2 (E-key 2230, PCIe x1/USB2.0 interface) can support WiFi card. The M.2 (B-key 3042, USB2.0 interface) W/SIM card holder supports 4G/LTE card application. The MI97R Series offers one HDMI port, one VGA and one LVDS (co-layout with eDP port). Because of the above features, MI97R is suitable for Industrial, KIOSK, POS machine, Automation Solution applications.

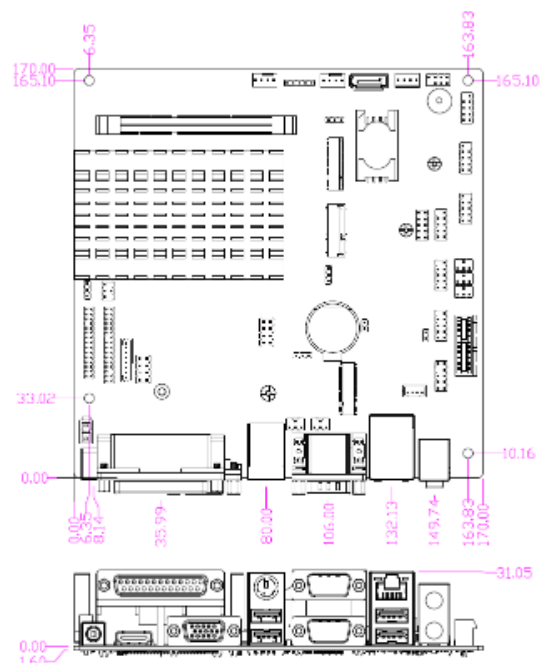
### Application

Industrial/KIOSK/POS Machine/Automation Solution

### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

<b>Model</b>	<b>Form Factor</b>
<ul style="list-style-type: none"><li>MI97R30</li><li>MI97R32 (Equipped with TPM2.0 model)</li></ul>	Mini ITX (170 * 170mm)
<b>Processor System</b>	<b>Expansion Slot</b>
<ul style="list-style-type: none"><li>Intel® Bay Trail N2930 SoC Processor</li><li>AMI Flash ROM BIOS</li></ul>	1* M.2 (E-key, 2230. USB2.0 & PCIe1 interface) 1* M.2 (B-key, 3042. USB2.0 interface) W/SIM card holder 1* PCIe x1 slot
<b>Memory</b>	<b>Graphics</b>
1* SO-DIMM DDR3L 1333MHz Single CH SDRAM up to 8GB	<ul style="list-style-type: none"><li>Intel® HD Graphics, shared memory</li><li>1* LVDS (Max Resolution: 1920x1200@60Hz)</li><li>1* eDP (Max Resolution: 2560x1600@60Hz). Co-layout with LVDS</li><li>1* VGA (Max Resolution: 1920x1080@60Hz)</li><li>1* HDMI (Max Resolution: 1920x1200@60Hz)</li></ul>
<b>Ethernet</b>	<b>Audio</b>
1* Realtek RTL8119I GbE	4 channel HD audio: Realtek® ALC888S
<b>Storage</b>	<b>Integrated Storage</b>
<ul style="list-style-type: none"><li>1* SATAII</li><li>1* M.2 (M-key, 2242/2280. SATA interface)</li></ul>	N/A
<b>Rear I/O</b>	<b>Internal Connector</b>
<ul style="list-style-type: none"><li>1* USB3.0</li><li>3* USB2.0</li><li>1* HDMI</li><li>1* VGA</li><li>1* PS/2</li><li>1* RJ45</li><li>2* COM (COM1 support RS232/422/485)</li><li>1* Parallel</li><li>Line-out/MIC</li><li>1* 12V DC-in PWR</li></ul>	<ul style="list-style-type: none"><li>4* USB2.0</li><li>3* COM (RS232)</li><li>1* LVDS (co-layout with eDP)</li><li>1* SATAII</li><li>1* SIM card holder</li><li>1* GPIO (8 bit)</li><li>1* Audio Header (W/3W Amp.)</li><li>1* SMBUS</li><li>1* CPU FAN</li><li>1* TPM2.0 onboard (MI97R32)</li></ul>
<b>Watchdog Timer</b>	<b>Power</b>
<ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (10sec ~ 255min)</li></ul>	12V DC-in (2-pin PWR Con) - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
<b>Compliance</b>	<b>Temperature</b>
CE, FCC, LVD, RoHS, REACH	<ul style="list-style-type: none"><li>Operating: 0°C ~ 60°C (with 0.7m/s air flow)</li><li>Storage: -20°C ~ 85°C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>
<b>Warranty</b>	
2 Years Limited Warranty	

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Standard Accessories

Parts Number	Description	Parts Number	Description
-----	MI97R M/B	F04-MB-020-1F	I/O shield
		G01-PW4PS-2S-323F	1* SATA Power Y-type Cable
		G01-SATA-BK-B-2F	1* SATA Cable