

2015

# Mainboard

## Product Launch Guide

**[NLBT-I1900-2L]**

NL Series Motherboard



Jetway Information Co., Ltd.

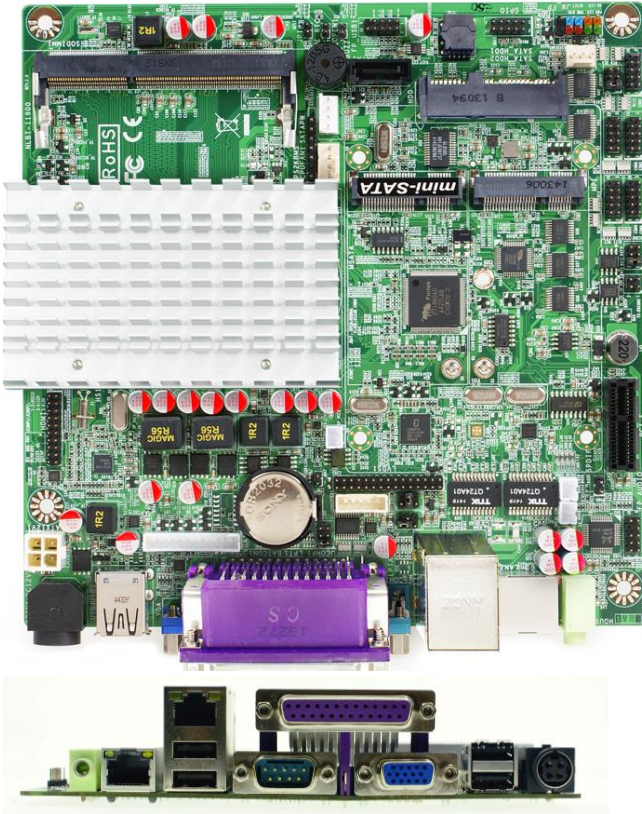
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## Mainboard Diagram

## NLBT- I1900-2L



1. INTEL Bay Trail J1900 Quad Core processor
2. Support DirectX 11 3D Graphics Acceleration
3. Support DDR3L 1333
4. Integrated HD Audio CODEC
5. Support 2\*PCI Express Gigabit LAN
6. Support 1\*USB3.0 port
7. Onboard 1\*MiniPCI-E connector
8. Onboard 1 \*M- SATA connector
9. 2 Phase CPU Power Support
10. Support Slim hard drive design
11. Support Amplifier function(3W)
12. Support Thunder Protection Function
13. Thin mini ITX Form Factor(170mm X170mm)

## Mainboard Specifications

<b>CPU-Chipset</b>	<ul style="list-style-type: none"> <li>■ INTEL Bay Trail J1900 (2.0GHz) Quad Core processor</li> <li>■ INTEL® Bay Trail SOC chipset</li> <li>■ 2 Phase CPU Power Support</li> </ul>
<b>I.O Chipset</b>	<ul style="list-style-type: none"> <li>■ Fintek® F71869A</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 1* SO-DIMM slot</li> <li>■ Support DDR3L 1333</li> <li>■ Max. capacity of system memory up to 8GB</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ 1* Mini PCI-E connector</li> <li>■ 1* PClex1 slot</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 1* Serial ATA2 3Gb/s connector</li> <li>■ 1* M-SATA Connector</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>■ AVLC662 Audio CODEC</li> <li>■ HD Audio CODEC</li> </ul>
<b>Ethernet LAN</b>	<ul style="list-style-type: none"> <li>■ 2*Realtek®RTL8111G Chip</li> <li>■ PCI Express Gigabit LAN</li> </ul>
<b>LVDS</b>	<ul style="list-style-type: none"> <li>■ Onboard 24-bit Dual channel</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>■ 5* USB 2.0/1.1(3 distribute in back panel, 2 distribute in mid-board)</li> <li>■ 1* USB3.0</li> </ul>
<b>Special Features</b>	<ul style="list-style-type: none"> <li>■ Support CPU Smart Fan</li> <li>■ Support Watch dog Technology</li> <li>■ Support GPIO Technology</li> </ul>

	<ul style="list-style-type: none"> <li>■ Support VGA header</li> <li>■ Support Power On board</li> <li>■ Support Amplifier function(3W)</li> <li>■ Support Slim hard drive design</li> <li>■ Support 1*RS422/RS485 COM header</li> <li>■ Thunder Protection Function</li> <li>■ All Solid Capacitor design</li> <li>■ All Power Pack MOSFET design</li> </ul>
■ <b>Back Panel I / O</b>	<ul style="list-style-type: none"> <li>■ 3* USB 2.0/1.1 ports</li> <li>■ 1* USB3.0 port</li> <li>■ 2* RJ-45 port</li> <li>■ 1* Line-out port</li> <li>■ 1* VGA port</li> <li>■ 1* COM port</li> <li>■ 1*LPT port</li> <li>■ 1* 12V DC Jack</li> </ul>
■ <b>Internal I / O</b>	<ul style="list-style-type: none"> <li>■ 1* USB 2.0/1.1 headers for 2 USB 2.0/1.1 ports</li> <li>■ 2* CPU / Chassis Fan connectors</li> <li>■ 5* COM headers(1*RS422/RS485)</li> <li>■ 1* PS2/KB header</li> <li>■ 1* 4-pin ATX 12V Power connector</li> <li>■ 1* 4-pin SATA Power connector</li> <li>■ 1* 12-pin VGA header</li> <li>■ 1* 20-pin HDMI header</li> <li>■ 1* 24-bit Dual Channel LVDS header</li> <li>■ 1* GPIO header</li> <li>■ 1* Mini PCI-e connector</li> <li>■ 1* M-SATA Connector</li> <li>■ 1* SATA Connector</li> <li>■ 1* SATA +Power Connector(7+15Pin)(Option)</li> <li>■ 1* Audio header</li> <li>■ 1* Front panel header</li> <li>■ 1* HDMI _SPDIF header</li> </ul>
■ <b>Temperature</b>	<ul style="list-style-type: none"> <li>■ Operating: 0°C ~ 60°C</li> <li>■ Storage: -20°C ~ 85°C</li> </ul>
■ <b>BIOS</b>	<ul style="list-style-type: none"> <li>■ AMI 64MB DIP Flash ROM</li> </ul>
■ <b>Form Factor</b>	<ul style="list-style-type: none"> <li>■ Thin mini ITX Form Factor(170mm X 170mm)</li> </ul>