

2014

Mainboard

Product Launch Guide

--[**NLBT-IE1900**]

NL Series Motherboard



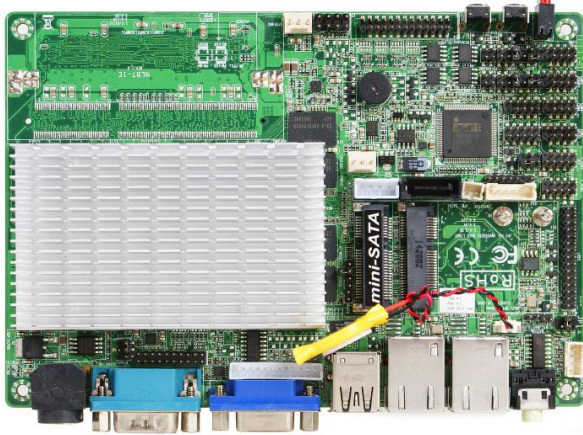
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NLBT-IE1900



1. INTEL® BayTrail Platform
2. Onboard INTEL® BayTrail J1900 2.0GHz Quad Cores CPU
3. Support DirectX 11 3D Graphics Acceleration
4. Integrated HD Audio CODEC
5. Support 2*PCI Express Gigabit LAN
6. Support 24-bit Dual channel
7. Onboard 1*MiniPCI-E connector(Half size)
8. Onboard 1 *M- SATA connector(Full size)
9. All Tantalum Capacitor design
10. Support power onboard(wide voltage input :9~24V)
11. EPIC Form Factor(165mm X115mm)

Specifications

■ CPU	<ul style="list-style-type: none"> ■ On board INTEL® BayTrai J1900 2.0 GHz Quad Cores CPU ■ 2 Phase CPU Power Support
■ I.O Chipset	<ul style="list-style-type: none"> ■ ITE IT8786E
■ Memory	<ul style="list-style-type: none"> ■ 1* SO-DIMM slot ■ Support DDR3L 1333 ■ Max. capacity of system memory up to 8GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 1* Mini PCI-E connector(Half size)
■ Storage	<ul style="list-style-type: none"> ■ 1* Serial ATA2 3Gb/s connector ■ 1* M-SATA Connector(Full size)
■ Audio	<ul style="list-style-type: none"> ■ ALC887 Audio CODEC ■ HD Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ 2* Intel i211AT GbE
■ LVDS	<ul style="list-style-type: none"> ■ Onboard 24-bit Dual channel
■ USB	<ul style="list-style-type: none"> ■ 5* USB 2.0/1.1(1 distribute in back panel, 4 distribute in mid-board) ■ 1* USB3.0 (distribute in back panel)
■ Special Features	<ul style="list-style-type: none"> ■ Support G-Sensor Function ■ Support TP Connector ■ Support CPU Smart Fan ■ Support Watch dog Technology ■ Support GPIO Technology ■ Support Power Onboard (9~24v wide voltage input) ■ Support VGA header ■ Support 1*20-pin HDMI header ■ Support SIM Card socket

	<ul style="list-style-type: none"> ■ Support 2*RS422/RS485/RS232 for COM2&COM3 ■ Support Amplifier function(3W) ■ Support Power& Reset Button ■ All Tantalum Capacitor design ■ All Power Pack MOSFET design
■ Back Panel I / O	<ul style="list-style-type: none"> ■ 1* DC-JACK(Co-lay 4-pin Power connector) ■ 1* USB2.0/1.1 port ■ 1* USB3.0 port ■ 2* RJ-45 ports ■ 1* COM port ■ 1* Line-out connector ■ 1* VGA port (Max. Resolution: 1920*1200@60Hz)
■ Internal I / O	<ul style="list-style-type: none"> ■ 2* USB 2.0/1.1 headers for 4 USB 2.0/1.1 ports ■ 1* CPU / Chassis Fan connector ■ 2* System Fan connectors ■ 5* COM headers (Support RS485/RS422/RS232 for COM2&COM3) ■ 1* Parallel header ■ 1* 4-pin SATA Power connector ■ 1* 12-pin VGA header (Max. Resolution: 1920*1200@60Hz) ■ 1* 20-pin HDMI header (Max. Resolution: 1920*1200@60Hz) ■ 1* 24-bit Dual Channel LVDS header (Max. Resolution: 1920*1200@60Hz) ■ 1* 4-pin Amplifier header ■ 1* GPIO header ■ 1* Mini PCI-e connector ■ 1* M-SATA connector ■ 1* SATA2.0 connector ■ 1* 4-pin PS/2 header
■ BIOS	<ul style="list-style-type: none"> ■ AMI 64MB DIP Flash ROM
■ Temperature	<ul style="list-style-type: none"> ■ Operating: 0°C ~ 60°C ■ Storage: -20°C ~ 85°C
■ Form Factor	<ul style="list-style-type: none"> ■ EPIC Form Factor(165mm X 115mm)
■ Standard Accessories	<ul style="list-style-type: none"> ■ SATA cable ■ COM Cable