



Features

- Intel® Baytrail-D Platform
- Fanless and Thin (Low Profile)
- Supports Dual Display via DP, VGA and/ or 18/24-bit Dual Channel LVDS
- 4 x USB 3.0, 4 x USB 2.0
- 2 x Intel® i211-AT Gigabit LAN
- 12V DC Power
- 1 x Full Size Mini-PCIe with mSATA Support
- 1 x Half Size Mini-PCIe



Specifications

System

CPU	Intel® Baytrail-D J1900 2.0GHz Quad Core SoC Optional Support for Baytrail-I & Baytrail-M SoC
BIOS	AMI® 32Mb SPI BIOS
System Memory	Two 204-pin SODIMM DDR3L 1333 MHz up to 8 GB
Expansion Interface	1 x Full Size Mini PCI Express with mSATA Support 1 x Half Size Mini PCI Express

Display

Graphics Engine	Intel® HD Integrated Graphics
Dual Display	DP, VGA and 18/24-bits Dual Channel LVDS Through Chrontel® CH7511B

Onboard I/O Headers

SATA	2 x SATA and 1 x SATA Power Header
USB	2 x USB 2.0 Header (4 USB Ports)
COM	1 x RS-232 Header
LVDS	1 x LVDS Header
GPIO	1 x 8-bit GPIO (4 in/4 out)
MIO	1 x LPT, 1 x LPC, 1 x Backlight Header, 1 x CPU Fan, 1 x System Fan, 1 x Front Audio, 1 x Front Panel, 1 x onboard Buzzer, 1 x Socket Type CMOS Battery

Back I/O Panel (Single Row I/O)

DP	1 x DP Connector (up to 2560 x 1600)
Display	1 x VGA (up to 1920 x 1200)
LAN	2 x RJ-45
USB	4 x USB 3.0 Connectors
Audio	1 x Line-out, 1 x Mic-in
DC-in	1 x DC-in Connector

Audio

Audio Codec	Realtek® ALC892 HD Audio
Amplifier	2W Per Channel Amplifier

Ethernet

LAN 1	Intel® i211-AT PCIe Gigabit LAN Controller
LAN 2	Intel® i211-AT PCIe Gigabit LAN Controller

Mechanical and Environment

Power Type	+12V DC-in
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)
Operating Humidity	5% ~ 80% Relative Humidity, Non-condensing
Storage Humidity	5% ~ 90% Relative Humidity, Non-condensing
Form Factor	Mini ITX
Dimensions	6.7" (L) x 6.7" (W)
Weight	0.88 lbs

Ordering Information

MX1900J

Intel® Baytrail-D Fanless & Low Profile (Thin) Mini ITX Motherboard Bulk Pack 10 in 1.

MX1900J-C

Intel® Baytrail-D Fanless & Low Profile (Thin) Mini ITX Motherboard Single Box