

MX1900J

mini-ITX Motherboard

Intel® BayTrail-D J1900 Quad Core, fanless, low profile, thin mini-ITX with DC Power

Features

- Intel® Celeron® J1900 Processor onboard up to 2 GHz (Intel® Bay Trail-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 (Rear I/O), 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
- OEM Bulk Packaging

Specifications

System

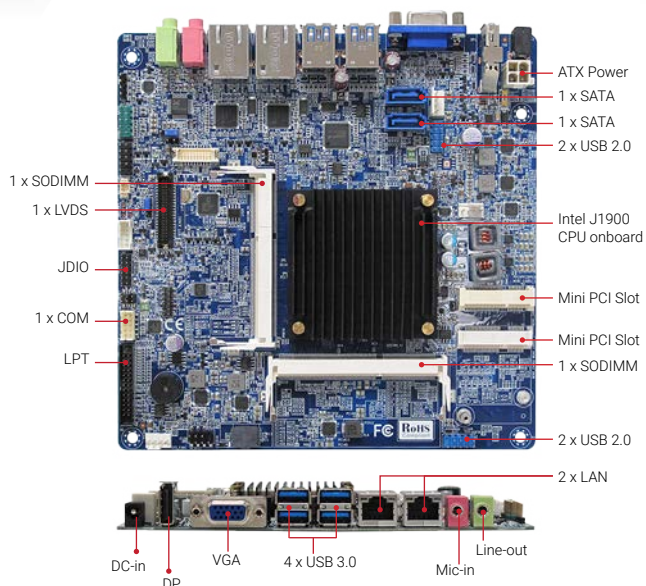
CPU	Intel® Baytrail-D J1900 2.0GHz Quad Core SoC Optional Support for Baytrail-I & Baytrail-M SoC
System Chipset	SoC
System Memory	Two 204-pin SODIMM DDR3L 1333 MHz up to 8 GB
BIOS	AMI® 32Mb SPI BIOS
I/O Chip	NUVOTON NCT6776F
Expansion	1 x Full Size Mini PCI Express with mSATA Support 1 x Half Size Mini PCI Express
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control

Rear I/O

Audio	1 x Mic-in and 1 x Line-out
USB	4 x USB 3.0 (Blue)
LAN	2 x RJ-45
Display	1 x DB-15, 1 x DisplayPort
DC-in	1 x DC-in

Onboard I/O

LVDS	1 x LVDS Connector and 1 x Inverter Header
USB	2 x USB Connector (4 x USB 2.0)
COM (Serial Port)	1 x RS-232 Header
SATA	2 x SATA 1 x SATA Power Connector
MIO	1 x 8-bit GPIO, 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 on-board Buzzer, 1 x Socket Type CMOS Battery



Display

Chipset	Intel® Integrated Graphic
Display Output	VGA: 1920 x 1200 DP: 2560 x 1600 LVDS: 1920x1200
Display Capability	DP, VGA and 18/24-bits Dual Channel LVDS Through Chrontel® CH7511B

Audio

HD Codec	Realtek® ALC892 HD Audio
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Ethernet

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

Mechanical & Environment

Power Type	12V DC-In
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-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" x 6.7" (170mm x 170mm)

Ordering Info

MX1900J	Intel® BayTrail-D J1900 Mini ITX Motherboard (OEM Bulk Packaging)
Accessories	1 x I/O Shield, 1 x SATA Power Cable (Y Cable)
182000000044	2.00mm pitch 11.8" length Parallel cable w/ full height bracket
183000000006	2.00mm pitch 12" length Serial cable
182437200040	2.54mm pitch 14" length Dual port USB cable w/ full height bracket

* All product specifications and images are subject to change without notice.
Last update: 11/17/2014