

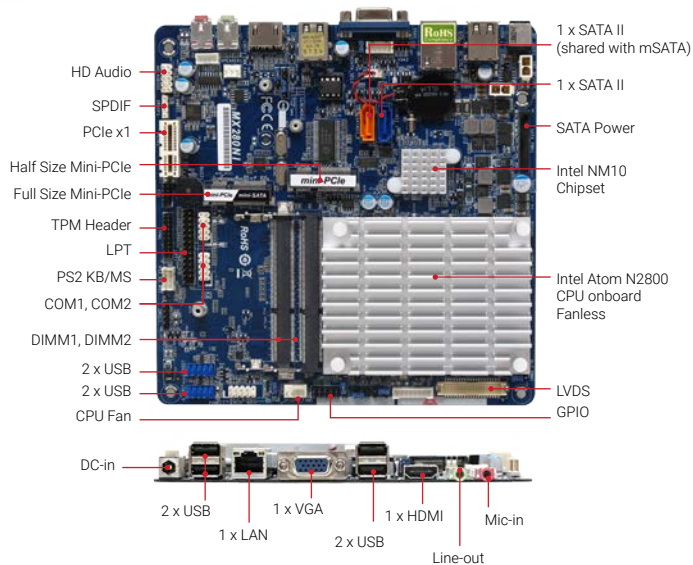
MX280NI

mini-ITX Motherboard

Intel® Atom™ N2800 dual-core Thin Mini ITX
Motherboard UL Certified

Features

- Intel® Atom™ N2800 dual-core 1.86 GHz CPU onboard
- < 20mm thin mini-ITX (Low Profile)
- Supports dual display: HDMI, VGA and 18/24-bit LVDS
- 1 x Half Size Mini-PCIe
- 1 x Full Size Mini-PCIe shared with mSATA
- 8 x USB, 2 x COM
- Fanless Operation
- Low Profile Design (Thin mini-ITX)
- Wide Range DC Input
- UL Certified



Specifications

System

CPU	Intel® Atom™ N2800 dual-core 1.86 GHz Processor onboard supports 533 MHz FSB and Hyper-Threading Technology
Chipset	Intel® NM10 Chipset
System Memory	Two 204-pin SODIMM support Single Channel DDR3 800/1066 MHz SDRAM 800 MHz up to 4GB (Horizontal Type)
BIOS	AMI® 16Mb SPI BIOS
I/O Chip	Nuvoton® NCT6776D
Expansion	1 x Half Size Mini-PCIe 1 x Full Size Mini-PCIe (shared with mSATA) 1 x PCIe x1
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
LAN	1 x RJ45
Display	1 x DB-15, 1 x HDMI
DC-in	1 x DC-in

Onboard I/O

LVDS	1 x LVDS Connector and 1 x Inverter Header
USB	2 x USB Connectors (4 Ports)
COM	2 x RS-232 Headers
SATA	1 x SATA II 3.0/Gbs (Blue) 1 x SATA II 3.0/Gbs (Orange, shared with mSATA) 1 x SATA Power Connector
MIO	1 x LPT Header, 1 x TPM Header, 1 x 4-pin CPU Fan, 1 x 3-pin System Fan, 1 x 8-bit GPIO, 1 x 4-pin Chassis Fan, 1 x Front Audio Header, 1 x SPDIF Header, 1 x AMP Header, 1 x Onboard Buzzer, 1 x Front Panel Header, 1 x ATX Power Input/Output Connector

Display

Chipset	Intel® Integrated Graphics
Display Interface	VGA: 1920 x 1200 HDMI: 1920 x 1200 LVDS: 18/24 bit Dual-channel LVDS through Chronitel® CH7511B DP to LVDS, up to 1920x1200
Display Capability	Supports Dual Display

Audio

HD Codec	Realtek® ALC887 HD Audio
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Ethernet

LAN 1	Intel® 82574L Gigabit Ethernet
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Mechanical & Environment

Power Type	9 ~ 19V DC-In
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 80°C (-4° ~ 176°F)
Operating Humidity	5%~90% 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)
Weight	0.88 lbs (0.4kg)

Ordering Info

MX280NI	Intel® Atom™ N2800 Thin Mini ITX Motherboard
Accessory	2 x SATA Power Cable, 2 x I/O Shields

* All product specifications and images are subject to change without notice.
Last update: 1/6/2016