

MX3150N/MX3160N

mini-ITX Motherboard

Intel® Celeron® N3150/N3160 Quad Core fanless
mini-ITX motherboard

Features

- Intel® Celeron® N3150/N3160 Quad Core 2.08 GHz SoC processor onboard with integrated HD graphics
- Support Three Independent Displays
- Rich Video Output: 2 x DisplayPort, 1 x HDMI, 1 x LVDS
- Dual Gigabit LAN
- 7 x USB 3.0, 2 x USB 2.0
- 4 x COM Ports
- 1 x mini-PCIe, 1 x mSATA and 1 x PCIe x1
- 12V DC-in
- Low Profile Design
- Fanless

Specifications

System

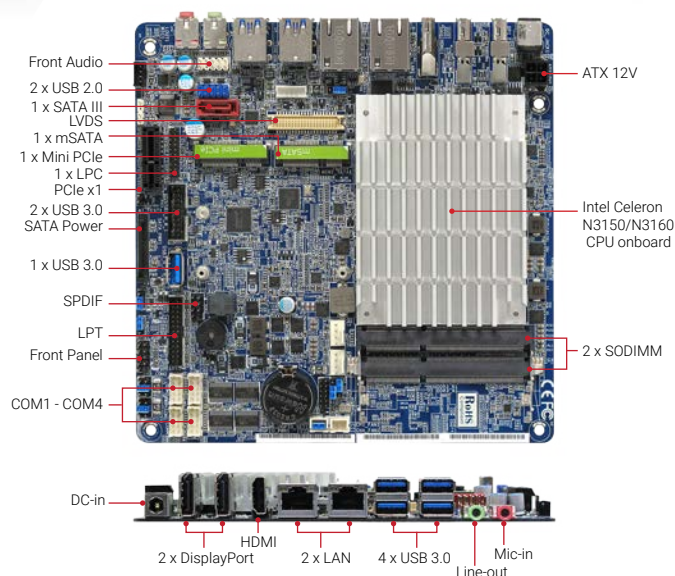
CPU	Intel® Celeron® N3150/N3160 Quad Core 2.08 GHz SoC Processor onboard with integrated graphics. CPU maximum TDP is 6 Watts
Chipset	SoC
System Memory	Two x SODIMM sockets support up to 8 GB DDR3L-1600 system memory
BIOS	AMI® 64Mb SPI BIOS
I/O Chip	Nuvoton® NCT6106D
Expansion	1 x Mini PCI Express with mSATA Support 1 x Mini PCI Express 1 x PCIe x1
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
TPM	Infineon® 9665 TPM 2.0 (Optional)

Rear I/O

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

Onboard I/O

LVDS	1 x 18/24 bits Dual Channel LVDS
USB	1 x USB 3.0 Type A Connector (1 x USB 3.0) 1 x 2x10 USB pin-header (2 x USB 3.0) 1 x 2x5 USB pin-header (2 x USB 2.0)
COM (Serial Port)	4 x RS-232 Headers
SATA	1 x SATAIII
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 AMP Header, 1 x Front Panel, 1 x Onboard Buzzer



Display

Chipset	Intel® Integrated Graphic
Display Memory	256MB shared
Display Interfaces	2 x DisplayPort, 1 x HDMI, 1 x 18/24-bit LVDS (eDP optional)
Display Capability	Supports 3 Independent Displays

Audio

HD Codec	Realtek® ALC892 HD Audio
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Ethernet

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

Mechanical & Environment

Power Type	12V DC
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)
Weight	0.88lbs (0.4kg)

Ordering Info

MX3150N/MX3160N	Intel® Celeron™ N3150/N3160 Mini ITX Motherboard
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.
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