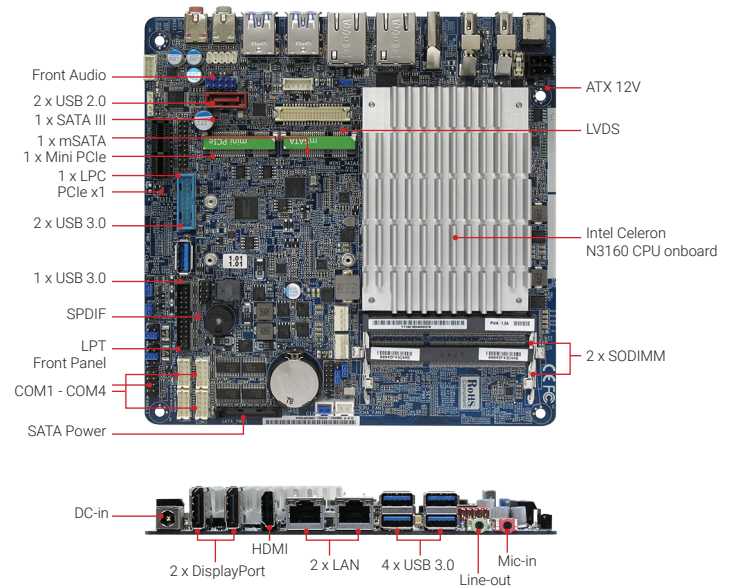


MX3160N

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

Features

- Intel® Celeron® N3160 Quad Core SoC Processor
2.24GHz Max Speed
- 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® N3160 4-Core SoC Processor 2.24 GHz (Max Speed)
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

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

MX3160N Intel® Celeron™ N3160 Mini ITX Motherboard

Accessories Included 1 x Full Size I/O Shield, 1 x Half Size I/O Shield, 1 x SATA Power Cable, 2 x Screws for mini-PCIe/mSATA

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: 03/13/2018



BCM Advanced Research

11 Chrysler, Irvine, CA 92618 USA
An industry leader in industrial motherboards
& embedded computing

www.bcmcom.com

BCMSales@bcmcom.com
(949) 470-1888