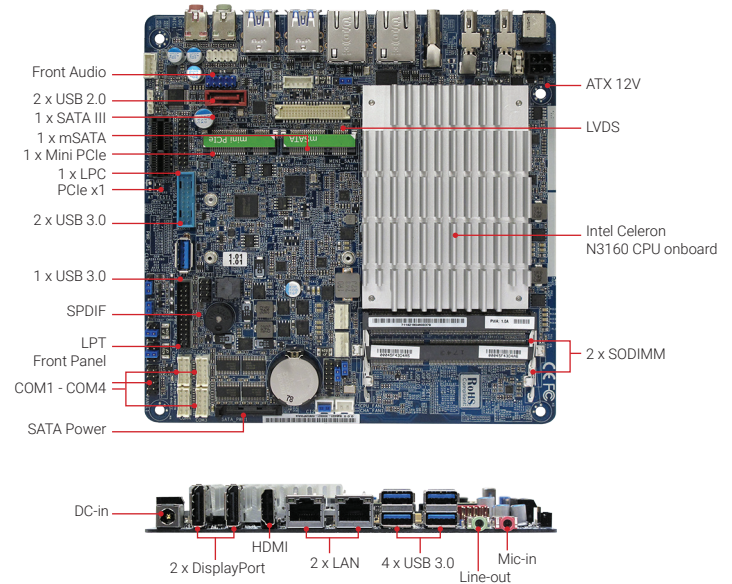


# MX3160N

Intel N3160 Quad Core Fanless Low Profile Thin 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)
System Chipset	SoC
System Memory	Two x SODIMM sockets support up to 8 GB DDR3L-1600 system memory
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN1: Intel® I210-AT Gigabit Ethernet Controllers LAN2: Intel® I210-AT Gigabit Ethernet Controllers
BIOS	AMI® 64Mb SPI BIOS
I/O Chip	Nuvoton NCT6106D
Expansion	1 x PCI Express x1 1 x Mini PCI Express (with mSATA support) 1 x 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
TPM	TPM 2.0
Display	
Graphics Engine	Intel® Integrated HD Graphics, DirectX* Support, OpenGL* Support
Display Memory	256MB shared
Interfaces	2 x DisplayPort, 1 x HDMI, 1 x 18/24-bit LVDS (eDP optional)
Multiple Display	Supports 3 Independent Displays
External I/O	
Audio	1 x Line-out and 1 x Mic-in
USB	4 x USB 3.0 (Blue)
LAN	2 x RJ45
HDMI	1 x HDMI
DisplayPort	2 x DisplayPort
DC-in	1 x DC-in

Internal 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	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
Mechanical & Environment	
Power Type	12V DC
Operating Temp	0°C ~ 60°C
Storage Temp	-20 ~ 80°C
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)
Certification Information	CE, FCC Class B
Weight	0.88 lbs

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: 10/5/2023



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