

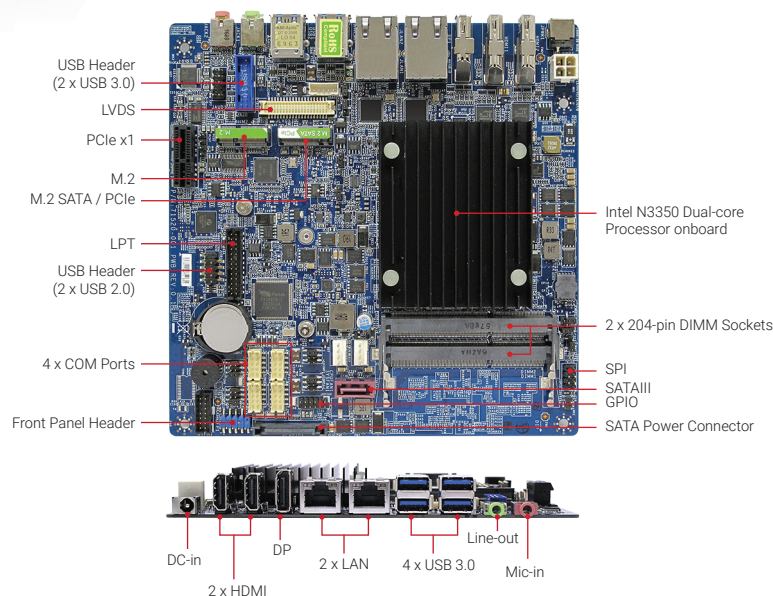
# MX3350N

## mini-ITX Motherboard

Intel N3350 Thin mini-ITX motherboard with onboard Intel Apollo Lake Processor

## Features

- Intel N3350 Dual Core SoC
- Supports two DDR3L SoDIMM 1600 MHz system memory up to 8GB
- Supports Three Independent Displays
- 1 x DP, 2 x HDMI
- 2 x M.2 sockets, 1 x PCIe x1
- 4 x COM Ports, 6 x USB 3.0, 2 x USB 2.0
- 12V DC-in
- Fanless Operation
- Low Profile Thin mini-ITX
- TPM 2.0
- Supported OS: Microsoft Windows 10 64-bit



## Specifications

### System

<b>CPU</b>	Intel® N3350 Dual Core SoC
<b>System Memory</b>	Two 204-pin SoDIMM DDR3L 1600MHz Up to 8GB
<b>BIOS</b>	AMI® 128Mb SPI BIOS
<b>I/O Chip</b>	Fintek® F81866AD-I
<b>Expansion</b>	1 x 2230 M.2 E Key (with PCIe x1 Channel & USB Signal) 1 x 2280 & 2242 M.2 M Key (with PCIe x2, & SATA III Signal) 1 x PCIe x1
<b>TPM</b>	Infineon® 9665 TPM 2.0
<b>Watchdog Timer</b>	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring CPU Temperature and Cooling Fan Status. Auto Throttling Control When CPU Overheats

### Rear I/O

<b>DisplayPort</b>	1 x DisplayPort Connector
<b>HDMI</b>	2 x HDMI Connectors
<b>LAN</b>	2 x RJ45 Connectors
<b>USB</b>	4 x USB 3.0 Connectors
<b>Audio</b>	1 x Line-out, 1 x Mic-in
<b>DC-In</b>	1 x Barrel Type DC-In Connector

### Onboard I/O

<b>COM</b>	1 x RS-232/422/485 Header, 3 x RS-232 Header
<b>USB</b>	1 x USB 3.0 Header (2 x USB 3.0 Ports) 1 x USB 2.0 Header (2 x USB 2.0 Ports)
<b>LVDS/eDP</b>	1 x LVDS Header (eDP Optional)
<b>Backlight</b>	1 x Backlight Header
<b>SATA</b>	1 x SATA III Connector
<b>SATA Power</b>	1 x 15 pin SATA Power Connector
<b>DC-in</b>	1 x 4 Pin DC-In Connector
<b>MIO</b>	1 x 4-pin CPU Fan Header, 1 x 4 Pin System Fan Header, 1 x 8 bits GPIO Header, 1 x Front Audio, 1 x Front Panel Header, 1 x Amplifier Locking Type Header, 1 x Onboard Buzzer, 1 x CMOS Battery Socket, 1 x LPT Header, 1 x LPC Header

### Display

<b>Chipset</b>	Intel® Integrated HD Graphic Engine
<b>Interface</b>	1 x DisplayPort, 2 x HDMI, 1 x 18/24-bit LVDS (eDP optional) TI® HD3SS213 (Switch for DP & LVDS/eDP) 4-Lane DisplayPort Switch
<b>Multi-Display</b>	Supports 3 Independent Displays

### Audio

<b>HD Codec</b>	Realtek® ALC887
<b>Amplifier</b>	3W Per Channel Amplifier

### Ethernet

<b>LAN 1</b>	Intel® i211-AT Gigabit Ethernet
<b>LAN 2</b>	Intel® i211-AT Gigabit Ethernet

### Mechanical & Environment

<b>Power Requirement</b>	12V DC-In
<b>Cooling</b>	Passive Heatsink
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	5% ~ 85% Relative Humidity, Non-condensing
<b>Storage Temp.</b>	-10° C ~ 60° C
<b>Storage Humidity</b>	5% ~ 85% Relative Humidity, Non-condensing
<b>Form Factor</b>	Mini ITX
<b>Dimensions</b>	6.7" x 6.7" (170mm x 170mm)
<b>Weight</b>	0.88lbs (0.4kg)

### Ordering Info

<b>MX3350N</b>	Intel N3350 mini-ITX Motherboard
<b>Accessories</b>	1 x SATA Power Cable (1x Straight SATA Power w/ Latch, 1x 4 Pin Molex, 1x Vertical SATA Power), 2 x I/O Shield (1x Standard I/O Shield & 1x Thin Client I/O Shield)

\* All product specifications and images are subject to change without notice.  
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