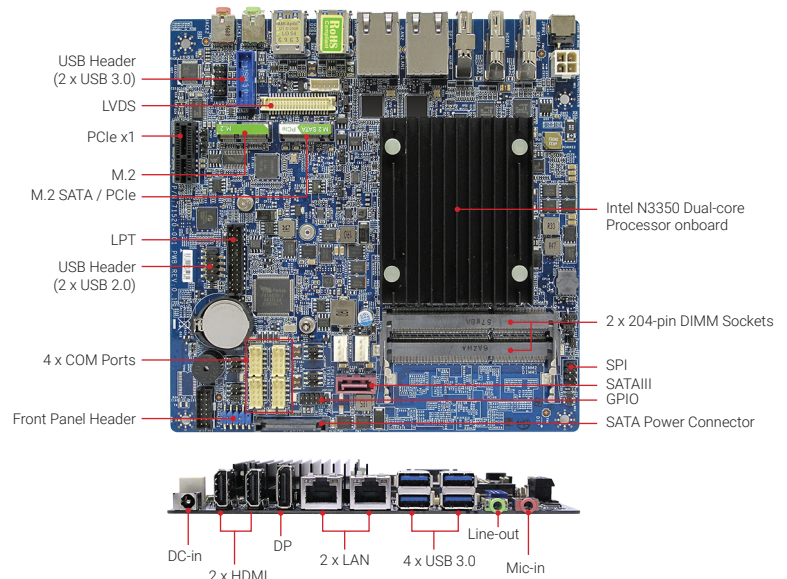


MX3350N

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

Features

- Intel N3350 Dual Core SoC CPU Onboard 2.40 GHz Max Speed
- 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 (Optional)
- Supported OS: Microsoft Windows 10 64-bit



Specifications

System

CPU	Intel® N3350 2-Core Processor Onboard 2.40 GHz (Max Speed)
System Memory	Two 204-pin SoDIMM DDR3L 1600MHz Up to 8GB
BIOS	AMI® 128Mb SPI BIOS
I/O Chip	Fintek® F81866AD-I
Expansion	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
TPM	Optional Infineon® 9665 TPM 2.0
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature and Cooling Fan Status. Auto Throttling Control When CPU Overheats

External I/O

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

Onboard I/O

LVDS	1 x LVDS Header (eDP Optional)
USB	1 x USB 3.0 Header (2 x USB 3.0 Ports) 1 x USB 2.0 Header (2 x USB 2.0 Ports)
COM	1 x RS-232/422/485 Header and 3 x RS-232 Header
SATA	1 x SATAIII, 1 x 15-pin SATA Power Connector
DC-in	1 x 4 Pin DC-In Connector
MIO	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

Audio

Audio Codec	Realtek® ALC887 HD Audio
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Display

Chipset	Intel® Integrated HD Graphic Engine
Display Interfaces	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

Display Capability	Supports Three Independent Displays : HDMI, HDMI, DP or HDMI, HDMI, LVDS
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* Please note:

1. DP does not support audio output due to the Apollo Lake SoC specification
2. DP and LVDS cannot run simultaneously due to the Apollo Lake SoC specification

Ethernet

LAN 1	Intel® I211-AT Gigabit Ethernet
LAN 2	Intel® I211-AT Gigabit Ethernet

Mechanical & Environment

Power Type	12V DC
Operating Temp	0°C ~ 60°C
Storage Temp	-10° C ~ 60° C
Operating Humidity	5% ~ 85% Relative Humidity, Non-condensing
Storage Humidity	5% ~ 85% Relative Humidity, Non-condensing
Form Factor	Mini ITX
Dimensions	6.7" (L) x 6.7" (W)
Weight	0.88 lbs

Ordering Info

MX3350N	Intel N3350 2-Core mini-ITX Motherboard
Accessories	1x Straight SATA Power w/Latch, 1x 4 Pin Molex, 1x Vertical SATA Power, 1x Standard I/O Shield & 1x Thin Client I/O Shield
182000000044	2.00mm pitch 11.8" length Parallel cable w/ full height bracket
183000000006	2.00mm pitch 12" length Serial cable
182437200040	2.54mm pitch 14" Dual port USB 2.0 cable w/full height bracket

* All product specifications and images are subject to change without notice. Last update: 11/08/2017



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