

MX3350N

Intel N3350 Thin mini-ITX motherboard with MX3350N onboard Intel Apollo Lake Processor

Features

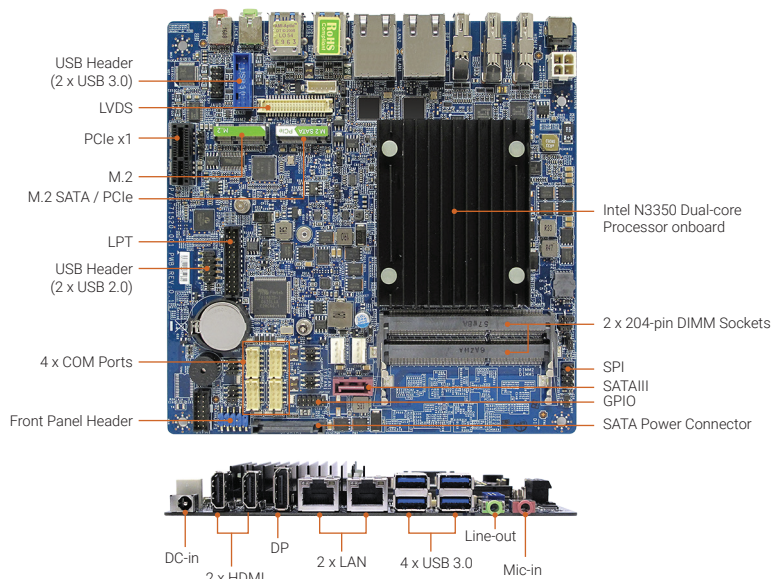
- Intel N3350 Dual Core SoC Processor Onboard 2.40 GHz Max Speed
- Supports two DDR3L SoDIMM 1600 MHz system memory up to 8GB
- Supports Three Independent Displays (see detail below)
- 1 x DP++, 2 x HDMI
- 2 x M.2 sockets, 1 x PCIe x1
- 4 x COM Ports
- 6 x USB 3.0, 2 x USB 2.0
- 12V DC-in
- Fanless Operation
- Low Profile Thin mini-ITX
- TPM 2.0
- Supported OS: Microsoft Windows 10 64-bit

Specifications

System	
CPU	Intel® N3350 2-Core Processor Onboard 2.40 GHz (Max Speed)
System Memory	Two 204-pin SoDIMM DDR3L 1600MHz Up to 8 GB
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN1: Intel® I210-AT Gigabit Ethernet Controller LAN2: Intel® I210-AT Gigabit Ethernet Controller
BIOS	AMI® 128Mb SPI BIOS
I/O Chip	Fintek® F81867D-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
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
TPM	Infineon® 9665 TPM 2.0

Display	
Chipset	Intel® Integrated HD Graphic Engine
Interfaces	1 x DisplayPort (supports DP++), 2 x HDMI, 1 x 18/24-bit LVDS (eDP optional) TI® HD3SS213 (Switch for DP & LVDS/eDP)
Display Output	Supports Three Independent Displays : HDMI, HDMI, DP HDMI, HDMI, LVDS * 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

External I/O	
Audio	1 x Line-out, 1 x Mic-in
USB	4 x USB 3.0
LAN	2 x RJ-45
HDMI	2 x HDMI
DisplayPort	1 x DisplayPort (supports DP++)
DC-in	1 x Barrel Type DC-In Connector



Internal 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, 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

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)
Certification Information	CE, FCC Class B
Weight	0.88 lbs

Ordering Info	
MX3350N	Intel N3350 2-Core mini-ITX Motherboard
Accessories	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)
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" length Dual port USB cable w/ full height bracket. (USB 2.0)

* All product specifications and images are subject to change without notice. Last update: 10/5/2023



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