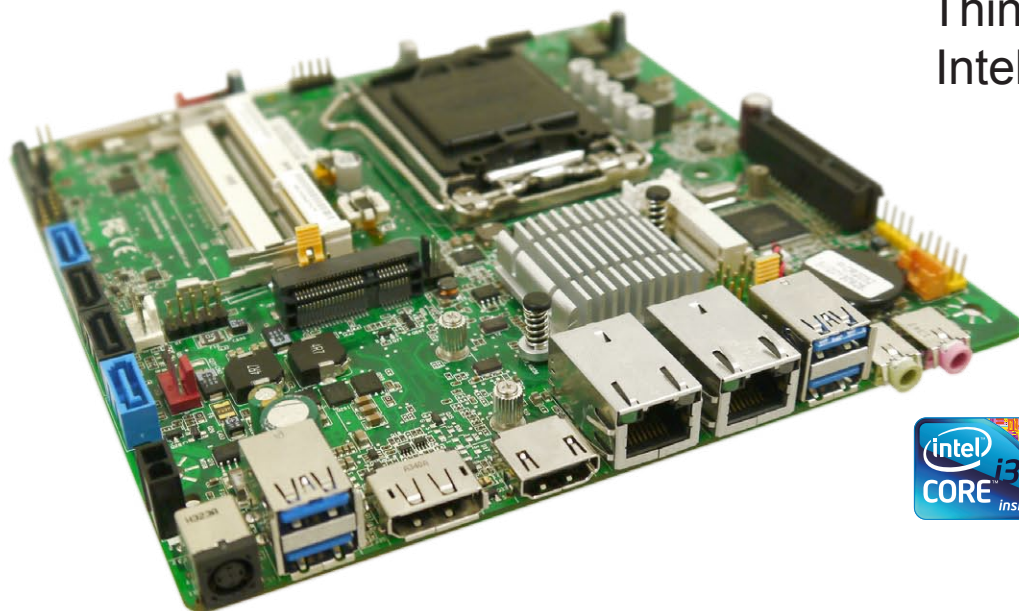




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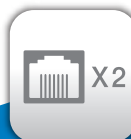


ThinMini-ITX Form Factor  
Intel Haswell Q87 chipset

# PH12LI



Thin Mini-ITX



Dual GLAN



MiniCard Support



USB3.0



DP-out/HD-out

Features

Support Intel 4<sup>th</sup> generation Intel Core Processor

LGA1150 Socket H3 CPU compatible (up to 65W)

Intel® vPro™ Technology support for business security

Dual high speed Gigabit Ethernet connection

Two PCI Express Mini Card connector for expansion

Features 4 SATA3 (6Gbps)

4 Hi-Speed external USB3.0 ports support

Dual display connectivity by DP-out & HD-out

Embedded LVDS connectivity



[www.mitac.com](http://www.mitac.com)

## Sales Contact

Email: [Sales\\_client@mic.com.tw](mailto:Sales_client@mic.com.tw)

Tel: +886-3-396-2888 | Fax: +886-3-327-7591



Item	Spec
Form Factor	Low-profile Mini-ITX (20 millimeters [0.79 inches] x 170.18 millimeters [6.7 inches] x 170.18 millimeters [6.7 inches])
Processor	Intel Haswell H3 LGA1150 CPU Socket Support up to Dual/Quad core 65W
Chipset	Intel Lynx Point Q87 Chipset
Memory	<ul style="list-style-type: none"> <li>Support for DDR3 1066/1333/1600 MHz SO-DIMMs</li> <li>Support for up to 16 GB of system memory</li> <li>204-pin DDR3 SO-DIMM</li> </ul>
Display	<ul style="list-style-type: none"> <li>HD-in &amp; HD-out connector</li> <li>40P Embedded LVDS connector</li> </ul>
Audio	<ul style="list-style-type: none"> <li>RealTek* ALC888 audio codec for 7.1 (8-channel) High Definition Audio (HD Audio)</li> <li>Included are: <ul style="list-style-type: none"> <li>- Back panel audio connectors: Line-out &amp; Mic</li> <li>- 1 x Audio header for stereo speakers</li> <li>- 1 x Audio header for front Panel Mic/Hp</li> <li>- 1 x Audio header for DMIC</li> </ul> </li> </ul>
Expansion Capability	<ul style="list-style-type: none"> <li>PCI Express x 4 slot</li> <li>PCI Express Full-/Half-Mini Card slot</li> <li>PCI Express Half-Mini Card slot</li> </ul>
Peripheral Interfaces	<ul style="list-style-type: none"> <li>USB 2.0 front panel ports</li> <li>Serial port header</li> <li>SATA 3.0 Gb/s</li> </ul>
Legacy I/O	<ul style="list-style-type: none"> <li>Legacy I/O Controller (ITE IT8519)</li> </ul>
Security	<ul style="list-style-type: none"> <li>Intel® vPro™ Technology support</li> <li>TPM security by Nuvoton NPCT420AA0WX (optional)</li> </ul>
LAN Support	Intel Clarkville I217-LM/I210-AT Gigabit (10/100/1000 Mb/s) IC Dual Ethernet LAN controller including an RJ-45 back panel connector with integrated status LEDs
BIOS	<ul style="list-style-type: none"> <li>UEFI Bios</li> <li>64+32Mb Dual SPI</li> <li>Support for Advanced Configuration and Power Interface (ACPI) setting</li> </ul>
Instantly Available PC Technology	<ul style="list-style-type: none"> <li>Suspend to RAM support</li> <li>Wake on PCI Express, LAN, front panel, serial, and USB ports</li> </ul>
Hardware Monitor Subsystem	Hardware monitoring through the Nuvoton6683D legacy I/O controller, including: <ul style="list-style-type: none"> <li>Remote thermal sensor</li> <li>Speed control for 4-pin system fan header and 4-pin CPU fan header</li> </ul>
Power Requirement	12/19V DC connectivity via back-panel DC jack Optional: 1 x standard ATX PSU 4-pin 12 connector
Environment	<ul style="list-style-type: none"> <li>Operating Temperature: 0 °C to +50 °C</li> <li>Storage Temperature: -20°C to +70°C</li> </ul>
Safety	<ul style="list-style-type: none"> <li>CE</li> <li>FCC</li> <li>UL</li> </ul>

## Packing List

• PH12LI Mainboard		• 2*IO Shield (Half and Full height)	Optional
• 50CM SATA Cable	Optional	• Driver CD	Optional
• 45CM SATA Power Cable	Optional	• Quick Guide	Optional