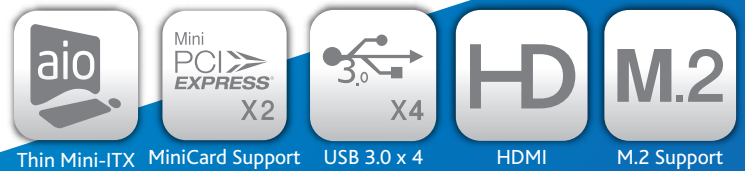


Thin Mini-ITX Form Factor
Intel H110 chipset

PH11SI



Features

Support Intel Skylake / Kabylake Processor (up to 65W)

Dual channel DDR4 260-pin SO-DIMM (up to 32GB)

High speed Gigabit Ethernet connection

Two PCI Express Mini Card connector for expansion / M.2 NGFF expansion

Features 2 SATA3 (6Gbps)

Four High-Speed external USB 3.0 ports support

HDMI & VGA display connectivity

Embedded LVDS connectivity



www.mitac.com

Sales Contact

 Email: Sales_client@mic.com.tw

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



Item	Spec	Sku-B	Sku-M
Form Factor	Thin Mini-iTX (170mm x 170mm), 6 layers		
Processor	CPU Type : Intel Skylake / Kabylake Processor		
	CPU Core : Dual Core / Quad Core		
Chipset	Socket : Socket LGA1151		
	TDP : Support up to 65W CPU types		
Graphics	Chipset Series : Intel® H110 Chipset		
	Integrated GFX by CPU		
	Graphic Core : Gen9		
	Graphic Memory : Shared Memory		
Memory	3D : DX12, OpenGL 4.3/4.4		
	Computing : OpenCL 2.0		
	Memory Socket : 260-pin So-DIMM socket	2	2
	Memory Type : DDR4 SODIMM @ 1.2V, 2133/2400 MHz (Unbuffered Non-ECC)		
	Memory Channel : Dual Channel		
SIO Controller	Memory Capacity : Support total up to 32GB (16GB each by 2 So-DIMM)		
	ECC Support : No		
LAN Controller	IT8519E		
Audio Controller	Realtek RTL8111G, 10/100/1000 support		
	Codec : HD audio codec, Realtek ALC662		
Display Controller	AMP for internal speaker		
	Parade DP701		
Expansion Slot	miniPCIe (Half) x 1 for wifi / BT and miniPCIe (Full) x 1 for mSATA or TV card	v	
	M.2 x 1 2230 E key for wifi and M.2 x 1 2242 M key for storage		v
External I/O	HDMI	1	1
	VGA out	1	1
	USB 3.0	4	4
	RJ-45 (with integrated status LEDs)	1	1
	Line-out	1	1
	Mic-in	1	1
	DC-in Jack (19V DC; 5 mm/ID, 7.5 mm/OD)	1	1
	LVDS connector	1	1
Internal I/O	Converter BD header	1	1
	Light sensor header	1	1
	USB 2.0 header	5	5
	SATA Connector	2	2
	SATA Power	1	1
	CPU Fan header	1	1
	Speaker header	1	1
	Side SW / LED header	1	1
Power	DMIC header	1	1
	DC-in 19V (5.1 mm/ID, 7.4 mm/OD) / ATX 2pin		
BIOS	DC-in 12V (2.5 mm/ID, 5.5 mm/OD) / ATX 4pin (optional)	v	v
	AMI BIOS		
Environment	Operating Temperature : 0°C to +60°C		
	Storage Temperature : -20°C to +70°C		
Safety	CE		
	FCC		
OS support	Skylake: win7, win8.1, win10, linux support by request		
	Kabylake: win10, linux support by request		

Packing List

- PH11SI Mainboard
- 45CM SATA Power Cable
- Driver CD
- 50CM SATA Cable
- 2*IO Shield (Half and Full height)
- Quick Guide