

ThinMini-ITX Form Factor
Intel H110 chipset

PH11SI



MiniCard Support

USB3.0 x4

HD-out



Support Intel 6th generation Intel Core Processor

LGA1151 SKL-S CPU compatible
(up to 65W)

Dual channel DDR4 with two connectors
(up to 16GB)

High speed Gigabit Ethernet connection

Two PCI Express Mini Card connector for expansion

Features 2 SATA3 (6Gbps)

Four Hi-Speed external USB3.0 ports support

HD-out & VGA display connectivity

Embedded LVDS / connectivity



Item	Spec	
Form Factor	Thin Mini-ITX (170mm x 170mm), 6 layers	
Processor	CPU Type : Intel Skylake-S Desktop platform	
	CPU Core : Dual Core / Quad Core	
	Socket : Socket LGA1151	
Chipset	TDP : Support up to 65W CPU types	
	Chipset Series : Intel® H110 Chipset	
Graphics	Integrated GFX by CPU	
	Graphic Core : Gen9	
	Graphic Memory : Shared Memory	
	3D : DX12, OpenGL 4.3/4.4	
Memory	Computing : OpenCL 2.0	
	Memory Socket : 260-pin So-DIMM socket	2
	Memory Type : DDR4 @ 1.2V, 2133MHz (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	PCI-E Mini Card (Half) x 1, Signal : PCIe, USB 2.0 for WiFi/BT module	
	PCI-E Mini Card (Full) x 1, Signal : PCIe, SATA 3.0 for mSATA or TV card	
External I/O	HD-out	1
	VGA out	1
	USB 3.0	4
	RJ-45 (with integrated status LEDs)	1
	Line-out	1
	Mic-in	1
	DC-in Jack (19V DC; 5mm/ ID, 7.5mm/ OD)	1
	LVDS connector	1
	Converter BD header	1
	Light sensor header	1
Internal I/O	USB 2.0 header	5
	SATA Connector	2
	SATA Power	1
	CPU Fan header	1
	Speaker header	1
	Side SW/LED header	1
	DMIC header	1
	19V 2 pin power header (Option#1)	
	12V 4 pin power header (Option#2)	
	Option#1 : 19V DC-in, 19V 2 pin power header	
Option#2 : 12V DC-in, 12V 4 pin power header		
Power		
BIOS	AMI BIOS	
Compliance	CE	
	FCC	

Packing List (Optional)

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