



SEM X-H81

Intel® 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors Mini ITX Motherboard with Intel® H81 Chipset

- > Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 84W)
- > Intel® H81 Chipset
- > 2 x 240-pin DDR3 1333/1600 MHz DIMM supports up to 16 GB
- > VGA, HDMI, DVI-D
- > 1 x Realtek RTL8111E PCIe Gigabit Ethernet
- > Realtek ALC892 Supports 7.1-CH HD Audio
- > 1 x PCIe x 16, 1 x Mini PCIe
- > 2 x SATA III, 2 x SATA II
- > 7 x USB 2.0, 2 x USB 3.0
- > 1 x RS-232, 1 x S/PDIF
- > ATX Power

+ Spec

System	
Processor	Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 84W)
System Chipset	Intel® H81 Chipset
System Memory	2 x 240-pin DDR3 1333/1600 MHz SO-DIMM supports up to 16 GB
I/O Chip	Nuvoton NTC5532D
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Expansion	
Expansion	1 x PCIe x 16 1 x Mini PCIe
I/O	
USB	7 x USB 2.0 2 x USB 3.0
COM Port	1 x RS-232
MIO	1 x PS/2 Keyboard or Mouse
Other	1 x S/PDIF-out Header
Display	
Chipset	Intel® 4th Generation CPU integrated VGA + DVI-D, VGA + HDMI, DVI-D + HDMI
Resolution	VGA: 1920 x 1200 @ 60Hz HDMI: 4096 x 2160 @ 24Hz DVI-D: 1920 x 1200 @ 60Hz
Audio	
Chipset	Realtek ALC892 supports 7.1-CH
Audio Interface	Mic-in, Line-out, Line-in, Rear RL, S/PDIF-out
Ethernet	
Chipset	1 x Realtek 8111E
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V/+5V/5Vsb/+3.3V/-12V
Power Type	ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	0.88lbs (0.4kg)

+ Ordering

SEM X-H81-A1R
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