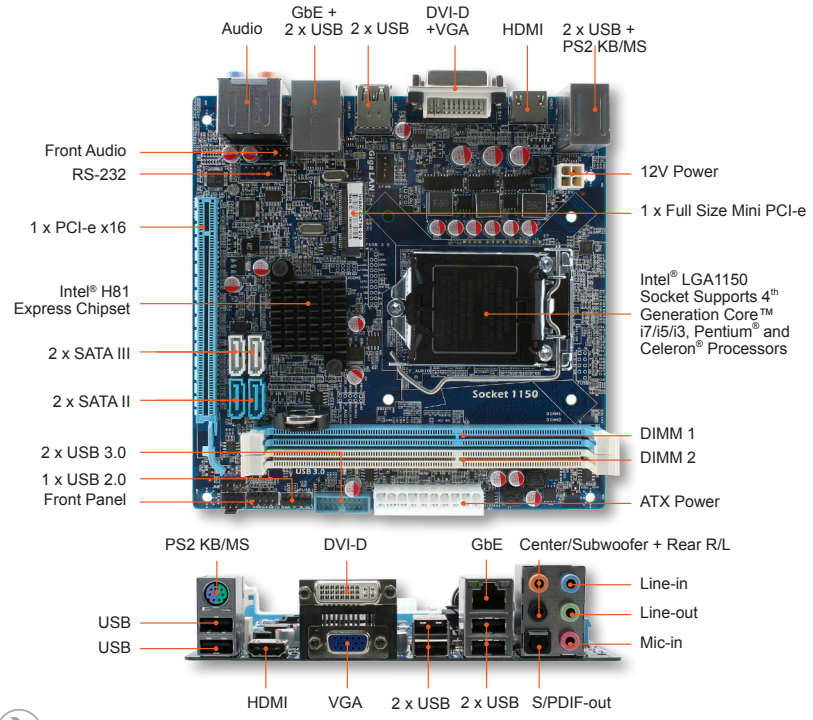
SEMX-H81

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



Features

- Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 84W)
- Intel® H81 Express Chipset
- Two 240-Pin DIMM Sockets Up to 16GB Dual Channel, DDR3 1333/1600MHz
- VGA, HDMI, DVI-D
- 1 x Realtek RTL8111E PCI-e Gigabit Ethernet
- Realtek ALC892 Supports 7.1-CH HD Audio
- 2 x SATA III, 2 x SATA II
- 7 x USB 2.0, 2 x USB 3.0
- 1 x PCI-e x16, 1 x Mini PCI-e
- 1 x S/PDIF, 1 x RS-232
- ATX Power

Specifications

System

Processor	Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 84W)
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
System Chipset	Intel® H81 Express Chipset
I/O Chip	Nuvoton NCT5532D
System Memory	2 x 240-Pin DDR3 1333/1600MHz DIMM up to 16 GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min.step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage

Expansion & Storage

Expansion	1 x PCI-e x16, 1 x Mini PCI-e

I/O

USB	7 x USB 2.0 2 x USB 3.0
COM Port	1 x RS-232
Other	1 x S/PDIF-out Header
MIO	1 x PS2 Keyboard/Mouse

Display

Chipset	Intel® 4th Generation CPU integrated Supports dual display
Resolution	HDMI : 4096 x 2160 @ 24 Hz , 1920 x 1080 @ 60 Hz VGA : 1920 x 1200 @ 60 Hz DVI-D : 1920 x 1200 @ 60 Hz

Audio

Audio Codec	Realtek ALC892 supports 7.1-CH
Audio Interface	Line-Out, Mic-In, Line-In, Rear R/L, 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
Power Type	ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Size (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	0.88lbs (0.4Kg)

Ordering Information

SEMX-H81-A1R
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