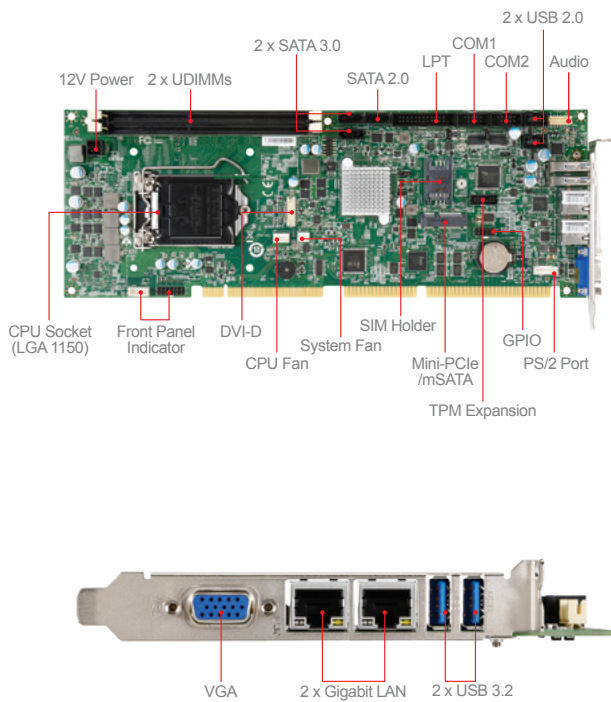


MS-98G7

PICMG 1.0 SBC with 4th Gen Intel® Desktop Haswell/Haswell Refresh Platform for High-Performance Solution



Specifications

Processor	CPU	4th Gen Intel® Desktop Haswell/Haswell refresh Core™ i7/i5/i3/Pentium/Celeron Processor, Max. 95W
	Frequency	2.4GHz~4.0GHz (Depends on CPU)
	L2 Cache	2M~8M (Depends on CPU)
	CPU Type	Socket (LGA 1150)
	Chipset	Intel® H81
Memory	BIOS	AMI
	Technology	Dual-channel DDR3/DDR3L 1333/1600MHz
	Max. Capacity	Up to 16GB
Display	Socket	2 x 240-pin UDIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Depends on CPU
	VGA	1
	DVI	1 (DVI-D, pin-header)
	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 @60Hz DVI-D up to 1920 x 1200 @60Hz
Ethernet	Controller	1 x Intel® I210-AT GbE LAN 1 x Intel® I217-LM GbE LAN
Audio	Controller	Realtek® ALC887 HD Audio Codec
Super I/O	Controller	Fintek F81866
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Pin header
I/O Interface	USB	4 x USB 2.0 (internal) 2 x USB 3.2 Gen 1 (rear)
	Serial	2 x COM ports (internal) COM1: RS-232/422/485, 0V/5V/12V COM2: RS-232, 0V/5V/12V
	Parallel	1
	PS/2	1 (wafer connector)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	M.2	N/A
	Mini-PCle	1 x Full-size (w/ mSATA)
Storage	SATA	1 x SATA 2.0 2 x SATA 3.0
	mSATA	1
Power Supply	ATX	ATX/AT-Power 12V-4P, power from PICMG1.0 backplane
Environment	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	338 x 122mm (PICMG 1.0)
	Weight	0.40 kg
Certification	EMC	FCC, CE
Software Platform	OS Support	Windows XP (32-bit) Windows 7 (32/64-bit) Windows 8 (32/64-bit) Linux Fedora 19 (by request) Linux Ubuntu 10.04 (by request)

Features

- Intel® 4th Gen Haswell-S/Haswell refresh-S Series with H81
- 2 DDR3/DDR3L 1600/1333 MHz UDIMM slots up to 16GB
- Dual independent displays: VGA, DVI-D
- 2 GbE LAN with RJ-45
- mSATA, 2 SATA 3.0, SATA 2.0
- 2 USB 3.2 Gen1, 4 USB 2.0, 2 COM (1 RS-485), GPIO, PS/2

Ordering Information

Part Number	Description
919-98G7-106	MS-98G7 11 OPT:C Intel Haswell Processor+Intel H81, 2*DDR3 UDIMM, VGA, DVI-D, 3*SATA, 2*LAN, 6*USB, 2*COM, m-SATA, 1 x Mini-PCle, 1*SIM Holder, ATX power

Packing List

Part Number	Description
Bulk Packing	N/A

Optional Item

Part Number	Description	Quantity
K1D-1008261-V03	SATA 3.0 Cable, 500mm	1
K18-1025011-V03	Parallel Cable, 300mm	1
K1B-3008034-V03	USB 2.0 Cable, 150mm	1