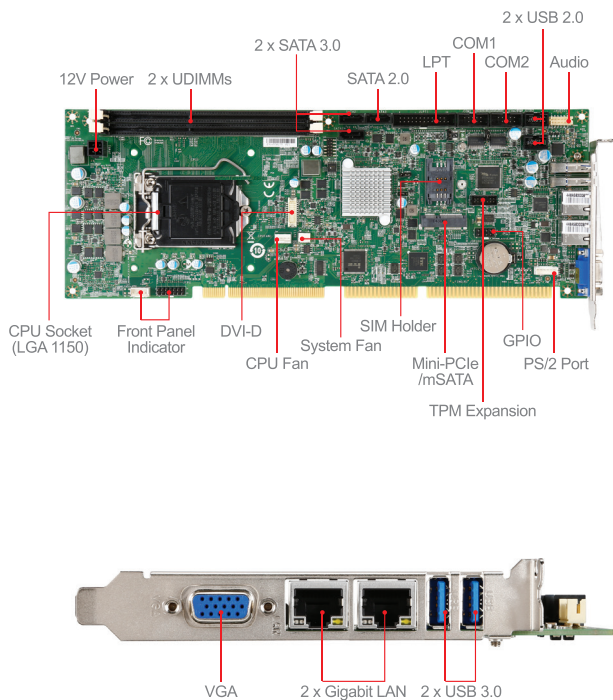


# MS-98G7

LGA1150 Intel® Core™ i7/i5/i3/Pentium/Celeron SBC with Dual Intel GbE LAN



## Features

- Intel® Desktop Haswell & Haswell Refresh Core i7/i5/i3, Pentium, Celeron Processor
- Dual-channel DDR3/DDR3L 1333/1600MHz
- 2 independent displays with VGA and DVI-D
- 2 Intel® GbE LAN, 2 COM with power, 2 USB 3.0, 4 USB 2.0 ports
- 2 SATA 3.0, 1 SATA 2.0, and 1 mSATA

## Ordering Information

Part Number	Description
919-98G7-103	MS-98G7 V1.0 PICMG1.0, Intel Haswell Processor+Intel H81, 2* DDR3/DDR3L UDIMM+1*DVI-D+1*VGA+2*GbE LAN+3*SATA+1*mSATA+2*COM+1*Parallel Port+4*USB Port

## Packing List

Part Number	Description
Cellular packing	N/A

## Specifications

<b>Processor</b>	CPU	4th Gen Intel® Desktop Haswell & Haswell Refresh Core™ i7/i5/i3, Pentium, Celeron Processor
	Frequency	Depends on CPU
	L2 Cache	Depends on CPU
	CPU Type	Socket (LGA 1150)
	Chipset	Intel® H81
<b>Memory</b>	BIOS	AMI
	Technology	Dual-channel DDR3/DDR3L 1333/1600MHz
	Max. Capacity	Up to 16 GB
<b>Display</b>	Socket	2 x 240-pin UDIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	VGA	1
	DVI	1 (DVI-D, pin-header)
<b>Ethernet</b>	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 DVI-D up to 1920 x 1200
	Controller	1 x Intel® I217-LM GbE LAN 1 x Intel® I210-AT GbE LAN
<b>Audio</b>	Controller	Realtek® ALC887 HD Audio Codec
<b>Super I/O</b>	Controller	Fintek F81866
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
<b>TPM</b>	Controller	Pin header
<b>I/O Interface</b>	USB	2 x USB 3.0 (rear) 4 x USB 2.0 (internal)
	Serial	2 x COM (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
<b>Expansion Slot</b>	Mini-PCIe	1 x Full-size (w/ mSATA)
<b>Storage</b>	SATA	2 x SATA 3.0 1 x SATA 2.0
	mSATA	1
<b>Power Supply</b>	ATX	ATX/AT-Power 12V-4P, power from PICMG1.0 backplane
<b>Environment</b>	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
<b>Form Factor</b>	Dimensions	338mm x 122mm (PICMG 1.0)
	Weight	0.40 Kg
<b>Certification</b>	EMC	FCC, CE