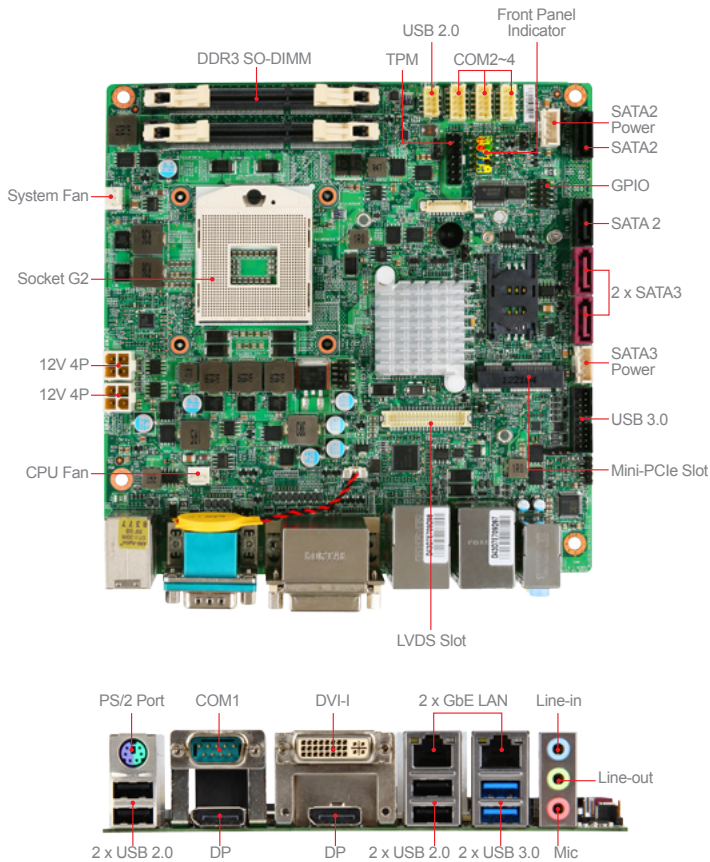


MS-98C8

Mini-ITX SBC 3rd Gen Intel® Core™ & Celeron® Processor and Intel® HM76/QM77 for Multi-Displays & High-Performance Solutions



Features

- Embedded Motherboard for high graphic performance application, Medical or Gaming or High-end Digital Signage
- Supports Intel® Ivy Bridge and Sandy Bridge Mobile series CPU
- Supports standard and low-voltage DDR3 SO-DIMM memory up to 16GB (for Ivy Bridge only)
- Multiple video outputs: DP, DP, DVI-I, LVDS with 3 independent displays supported (for Ivy Bridge only)
- Great 3D graphic performance with high definition up to 1080p
- Supports DirectX 11
- Supports SATA 3.0 and mSATA by mini-PCle slot

Ordering Information

Part Number	Description
919-98C8-003	HM76 2*DDR3 SODIMM, 2*miniPCle, 2*LAN, 1*DVI-I, 2*DP, 1*LVDS, 4*com port, 6*USB 2.0, 4*USB 3.0
919-98C8-004	QM77 2*DDR3 SODIMM, 2*miniPCle, 2*LAN, 1*DVI-I, 2*DP, 1*LVDS, 4*com port, 6*USB 2.0, 4*USB 3.0

Packing List

Part Number	Description
E21-98C8010-C22	I/O SHIELDING
E32-0800383-A21	MECH FANSINK
K39-3002004-E06	PS2 Y-Cable, 190mm
K14-1018003-V03	COM PORT CABLE, 300mm
K1D-1012064-V03	SATA CABLE, 200mm
E93-0000118-H06	CPU BACK PLATE
G71-SEDC094-J24	DRIVER CD

Specifications

Processor	CPU	3rd Gen Intel® Mobile Ivy bridge/Sandy bridge Core™ i7/i5/i3/Celeron®/Pentium® Processors, Max. 45W
	Frequency	1.0 GHz~3.8 GHz (Depends on CPU)
	L2 Cache	2M~8M (Depends on CPU)
	CPU Type	Socket G2 (rPGA 989)
	Chipset	Intel® HM76/QM77 Express
Memory	BIOS	AMI
	Technology	Dual-channel DDR3 1066/1333/1600 MHz
	Max. Capacity	Up to 16 GB
Display	Socket	2 x 204-pin SO-DIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual channel 18/24-bit
	DVI	1 (DVI-I)
	DisplayPort	2
	Multiple Display	2 independent displays (SNB CPU only) 3 independent displays (IVB CPU only)
Display Interface	Display Interface	LVDS up to 1920 x 1200 DP up to 2560 x 1600 DVI-I up to 1920 x 1200
	Ethernet	Controller
Audio	Controller	Realtek® ALC887 HD Audio Codec
Super I/O	Controller	Fintek F81866D
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Pin header
I/O Interface	USB	6 x USB 2.0 (4 x rear; 2 x internal) 4 x USB 3.0 (2 x rear; 2 x internal)
	Serial	4 x COM (COM1: rear; COM2~4: internal) COM1: RS-232/422/485, 0V/5V/12V COM2~4: RS-232, 0V/5V/12V
	PS/2	1
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	M.2	N/A
	Mini-PCle	1 x Full-size 1 x Half-size, mSATA
Storage	SATA	2 x SATA 3.0 2 x SATA 2.0
	mSATA	1
Power Supply	DC	DC-in 12V/19V
	ATX	N/A
Environment	Operating Temperature	0 ~ 70°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
Form Factor	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	170mm x 170mm (Mini-ITX)
Certification	Weight	0.35 kg
	EMC	FCC, CE, RCM, VCCI, BSMI
Software Platform	OS Support	Windows 7 (32/64-bit) Windows 8 (32 bit)