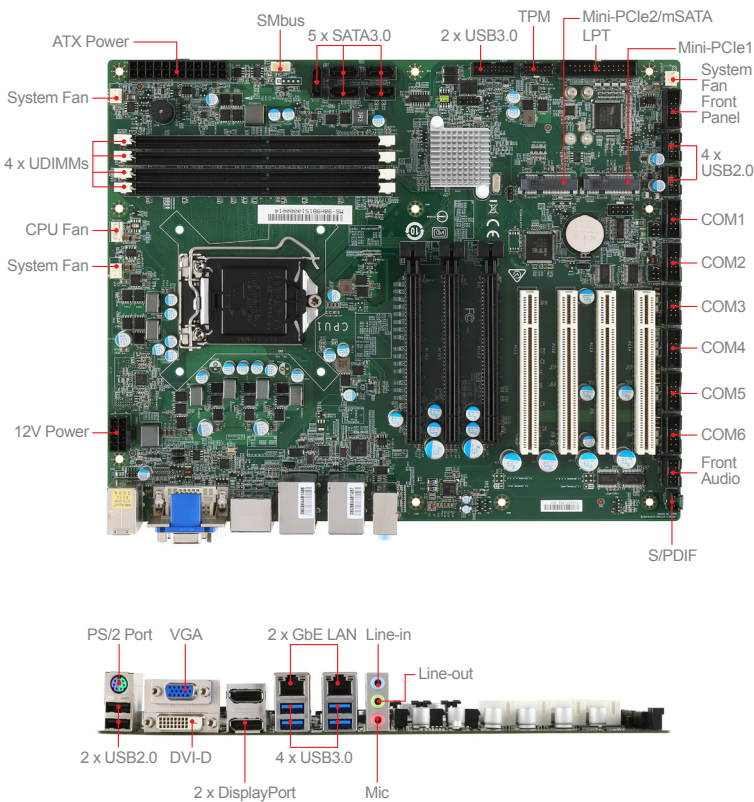


MS-98H9

Intel® Embedded Skylake-S with C236/Q170/H110 High Performance ATX Motherboard Solution

NEW



Features

- Intel® Skylake-S Series CPU to maximize performance
- 4 DDR4 2133MHz UDIMMs slots up to 64GB memory
- Support DisplayPort, DVI-I, dual Intel® GbE LAN and AMT 11.0
- 5 SATA 3.0, 6 COM, 6 USB 3.0, 6 USB 2.0, mSATA
- PCIe x16, 2 PCIe x4, 4 PCI Slots
- Support Intel® AMT 11 Technology

Ordering Information

Part Number	Description
919-98H9-001	LGA1151, C236, 4*DDR4, 1*DVI-D+1*VGA+2*DisplayPort 1.2a+6*USB3.0+6*USB2.0+5*SATA3.0+1*mSATA+6*COM+2*GbE LAN+ATX POWER
919-98H9-002	OPT: A LGA1151, Q170, 4*DDR4, 1*DVI-D+1*VGA+2*DisplayPort 1.2a+6*USB3.0+6*USB2.0+5*SATA3.0+1*mSATA+6*COM+2*GbE LAN+ATX POWER
919-98H9-003	OPT: B LGA1151, H110, 2*DDR4, 1*DVI-D+1*VGA+2*DisplayPort 1.2a+4*USB3.0+4*USB2.0+4*SATA3.0+6*COM+2*GbE LAN+ATX POWER

Packing List

Part Number	Description	Quantity
K1B-3008012-E06	USB 2.0 Cable, 330mm	1
K14-1018004-V03	COM Port Cable, 510mm	1
K39-3002004-E06	PS/2 Y-Cable, 190mm	1
K18-1025011-V03	LPT Cable, 300mm	1
K1D-1008261-V03	SATA Cable, 500mm	2
E21-98H9010-C22	I/O SHIELDING	1
G71-SEDC148-N56/X03	DRIVER DVD	1

Specifications

		SKU: C236	SKU: Q170	SKU:H110
Processor	CPU	Intel® Skylake Xeon/i3/ Pentium/ Celeron Series Processor	Intel® Skylake i7/i5/i3/ Pentium/Celeron Series Processor	
	Frequency	Depends on CPU		
	L2 Cache	Depends on CPU		
	CPU Type	Socket (LGA 1151)		
	Chipset	Intel® C236 Express	Intel® Q170 Express	Intel® H110 Express
Memory	BIOS	AMI UEFI		
	Technology	Dual-channel DDR4 (ECC) 2133MHz		Dual-channel DDR4 (non-ECC) 2133MHz
	Max. Capacity	Up to 64GB		Up to 32GB
Display	Socket	4 x 288-pin UDIMMs		2 x 288-pin UDIMMs
	Controller	Intel® HD Graphics		
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	VGA	1		
	DVI	1 (DVI-D)		
	DisplayPort	2		
	Multiple Display	3 independent displays		
Ethernet	Display Interface	VGA up to 1920 x 1080 DVI-D up to 1920 x 1200 DP up to 4096 x 2304		
	Controller	1 x Intel® I219-LM GbE LAN PHY (Support Intel® AMT 11) 1 x Intel® I210-AT GbE LAN		
Audio	Controller	Realtek® ALC887 HD Audio Codec		
Super I/O	Controller	Fintek F81866AD-I		
H/W Monitor	Watchdog Timer	256-level Watchdog Timer		
	Smart Fan	Yes		
TPM	Controller	Box header		
I/O Interface	USB	6 x USB3.0 (4 x rear, 2 x internal) 6 x USB2.0 (2 x rear, 4 x internal)		4 x USB3.0 (4 x rear) 4 x USB2.0 (2 x rear, 2 x internal)
	Serial	6 x COM (COM1~6; internal) COM1~2: RS-232/422/485, 0V/5V/12V COM3~6: RS-232, 0V/5V/12V		
	Parallel	Yes		
	PS/2	1 x PS/2 port by Y-cable for keyboard and mouse		
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V		
Expansion Slot	PCIe x16	1		
	PCIe x4	2		1
	PCI	4		
	Mini-PCIe	2 x Full-size (one w/ mSATA)		N/A
Storage	SATA	5 x SATA 3.0 (Support RAID 0/1/5/10)		4 x SATA 3.0
	mSATA	1		N/A
Power Supply	DC	N/A		
	ATX	ATX-Power 24P, 12V-8P		
Environment	Operating Temperature	-10 ~ 60°C		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		
	Storage Humidity	10 ~ 90%, non-condensing		
Form Factor	Dimensions	305mm x 244mm (ATX)		
	Weight	0.70 kg		
Certification	EMC	FCC, CE, RCM, VCCI, BSMI (Class B)		