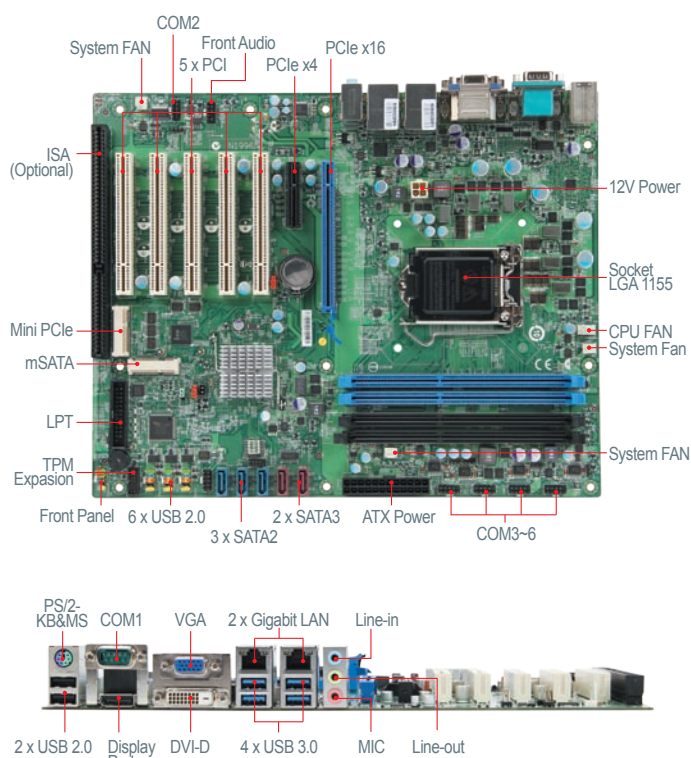


MS-98A9

Intel® Embedded Ivy Bridge with Q77
Platform ATX Solution for High Performance

NEW



Features

- Support Intel® Ivy Bridge Series CPU to maximize performance
- Support 4 DDR3-1600 UDIMM Memory up to 32GB
- Support DisplayPort and DVI-D and VGA and Dual Intel GbE LAN
- Support 2 SATA3, 3 SATA2, mSATA, AMT8.0, 6 COM, 4 USB 3.0, 8 USB 2.0
- Support ATX Power

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

Specification

Processor	CPU	Intel® Core™ i7/i5/i3 Processor
	CPU Type	Socket LGA 1155
	Front Side Bus	N/A
	Chipset	Intel® Q77 Express
	BIOS	AMI 128Mbit SPI
Memory	Technology	Dual Channel DDR3 1066/1333/1600MHz (Non-ECC)
	Max. Capacity Socket	Up to 32GB 4 x 240-pin DIMMs
Display	Graphic Controller	Intel® HD Graphics
	LVDS	N/A
	eDP	N/A
	VGA	Yes
	DVI	Yes (DVI-D)
Ethernet	HDMI	N/A
	Display port	Yes
	Display Mode	2 Independent Displays Supported by SNB Processor 3 Independent Display Supported by IVB Processor
Audio	Controller	Realtek® ALC887 HD Audio CODEC
	Super I/O	Fintek F81866
H/W Monitor	Watchdog Timer	255-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	1 x 2*7-pin Box-Header for Expansion TPM Module
I/O Interfaces	USB	4 x USB 3.0 (Rear) 8 x USB 2.0 (2 x Rear, 6 x Internal)
		6 x COM-ports (COM1 x Rear, COM2~6 x Internal) COM1&2 RS-232/422/485, 0V/5V/12V COM3~6 RS-232, 0V/5V/12V
	Serial	Yes
		1 x PS/2-port for Keyboard and Mouse
		8-bits (4 x GPI, 4 x GPO)
Expansion Slot	PCIe x 16	1
	PCIe x 4	1
	PCIe x 1	N/A
	PCI	5
	Mini-PCIe	1
Storage	SATA	2 x SATA3, 3 x SATA2 (Support RAID 0/1/5/10)
	IDE	N/A
	eSATA	N/A
	CFast	N/A
	mSATA	1 x mSATA-slot
Power Requirement	CompactFlash	N/A
	Power Adaptor	N/A
Environment	Power Supply	ATX-24P, 12V-4P
	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	305mm x 244mm (ATX)
	Weight	0.75 Kg
Certification	EMC	FCC Class A, CE, C-Tick, VCCI, BSMI

*1 x ISA-Optional