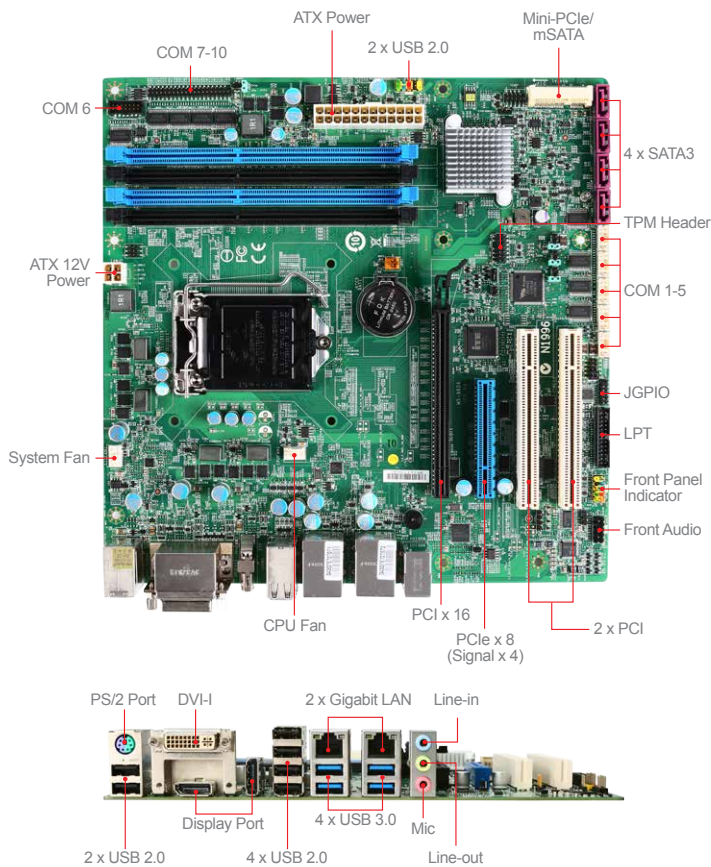


MS-98D6

Intel® 4th Gen Q87 Micro-ATX Solution for High Performance, with Superior I/O and Expansion Capability

NEW



Features

- 10 COM ports for flexible applications
- Multiple video outputs: DVI-I, DP (3 independent displays)
- Support DirectX 11.1 and Intel® Clear Video Technology (up to 1080P)
- Multiple expansion slots: PCIe x16, PCI x8 (x4 signal), and 2*PCI
- 4 SATA 3.0 ports for faster and high-capacity storage
- Support m-SATA function by Mini-PCIe slot
- Plenty USB ports for more peripherals (USB 2.0*8 USB 3.0*4)

Ordering Information

Part Number	Description
919-98D6-001	MS-98D6\MS-98D6\609-98D6-010\809-98D6-002\STD MS-98D6 VER 10 OPT A COM CABLE+SATA CABLE+I/O SHIELDING+DRIVER CD SINGLE

Packing List

809-98D6-002

Part Number	Description	Quantity
E21-98D6010-C22	IO SHIELD FOR MS-98D6	1
K14-1018003-V03	COM PORT CABLE	1
K14-1036004-V03	COM PORT CABLE 2*20pin	1
K1D-1008261-V03	SATA CABLE,SIGNAL	2

Specifications

Processor	CPU	4th Gen Intel® Desktop H3 Core i7/i5/i3/ Celeron Processor	
	Frequency	Depends on CPU	
	L2 Cache	Depends on CPU	
	CPU Type	Socket (LGA 1150)	
	Chipset	Intel® Q87 Express	
Memory	BIOS	AMI	
	Technology	Dual-channel DDR3 1066/1333/1600MHz	
	Max. Capacity	Up to 32 GB	
Display	Socket	4 x 240-pin Long-DIMMs	
	Controller	Intel® HD Graphics	
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM	
	DVI	1 (DVI-I)	
	DisplayPort	2	
Ethernet	Multiple Display	3 independent displays	
	Display Mode	DP up to 3840 x 2160 DVI up to 1920 x 1200	
Audio	Controller	1 x Intel® I217-LM GbE-PHY 1 x Intel® I210-AT PCIe GbE LAN	
Super I/O	Controller	Realtek® ALC887 HD Audio Codec	
H/W Monitor	Watchdog Timer	Fintek F81866AD-1 + F81216AD	
	Smart Fan	256-level Watchdog Timer	
TPM	Controller	Pin header	
	I/O Interface	USB	8 x USB 2.0 (6 x rear; 2 x internal) 4 x USB 3.0 (4 x rear)
		Serial	10 x COM (internal) COM1~COM4: RS-232, 0V/5V/12V COM5: RS-232/422/485, 0V/5V/12V COM6: RS-232/422/485, without power COM7~COM10: RS-232, 0V/5V/12V (COM1 & COM2 support WOR)
		Parallel	1
		PS/2	1
Expansion Slot	GPIO	8-bits (4 x GPI, 4 x GPO), 5V	
	PCIe x16	1	
	PCIe x8	1*PCIe x8 (signal is x4)	
	PCI	2	
Storage	Mini-PCIe	1 x Full-size, mSATA	
	SATA	4 x SATA 3.0	
Power Supply	mSATA	1	
	DC	N/A	
Environment	ATX	ATX-Power 24P, 12V-4P	
	Operating Temperature	0 ~ 60°C	
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
Form Factor	Storage Humidity	10 ~ 90%, non-condensing	
	Dimensions	244 mm x 244 mm (uATX)	
Certification	Weight	0.73 Kg	
	EMC	FCC, CE, C-Tick, VCCI, BSMI	