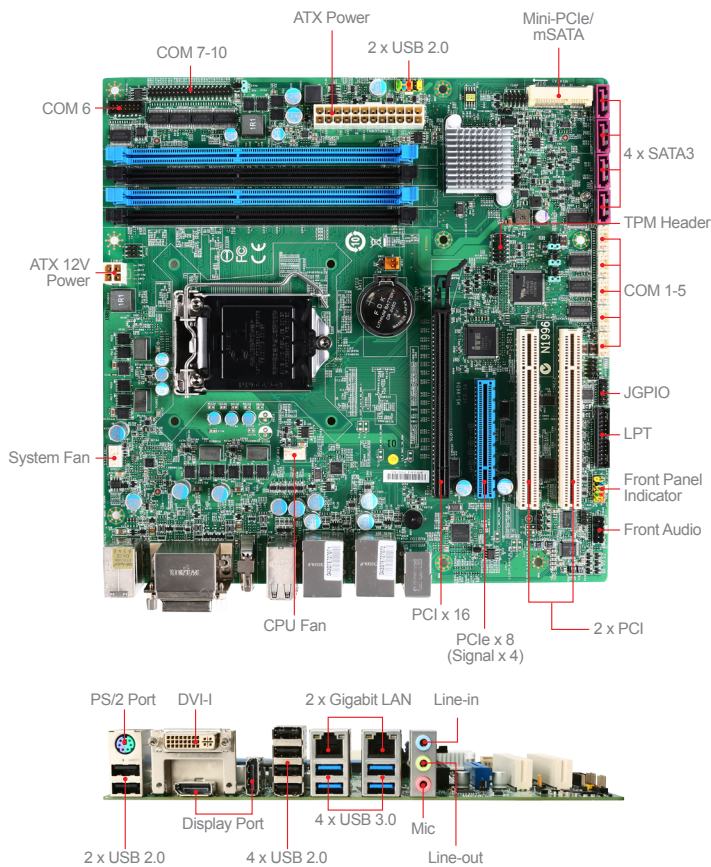


MS-98D6

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



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 10 OPT: A Q87+2*PCIe+1*Mini-Pcie+2*P-CI+4*SATA3.0+1*mSATA+4*DDR3+2*DP+1*DVI+8*USB 2.0+4*USB3.0+10*COM+2*Gbe LAN+ATX Power

Packing List

809-98D6-002		
Part Number	Description	Quantity
E21-98D6010-C22	IO SHIELD FOR MS-98D6	1
K14-1036004-V03	INT COM PORT CABLE,36,200mm	1
K14-1018003-V03	INT COM PORT CABLE,300mm	1
K1D-1008261-V03	INT SATA CABLE,500mm	1
K18-1025016-V03	INT LPT CABLE,25,300mm	1

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 Interface	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	Controller	Fintek F81866AD-I + F81216AD
	Watchdog Timer	256-level Watchdog Timer
TPM	Smart Fan	Yes
	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
	GPIO	8-bits (4 x GPI, 4 x GPO), 5V
Expansion Slot	PCIe x16	1
	PCIe x8	1*PCIe x8 (x4 signal)
	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