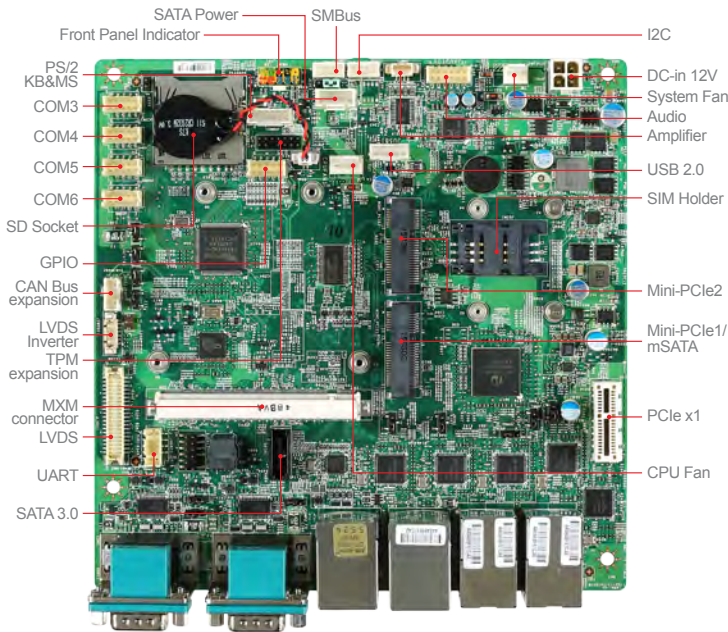
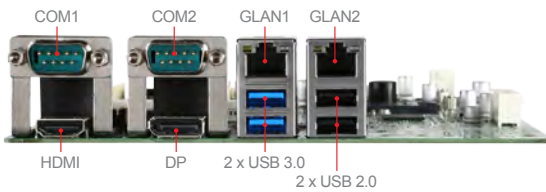


MS-99A1

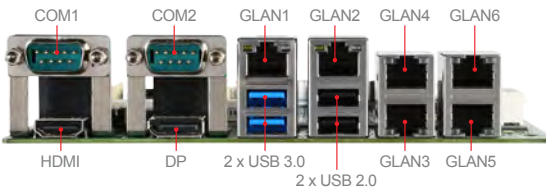
Qseven R2.0 Compliant Carrier Board in Mini-ITX for 6 GLAN & 7 COM Solution



2 LAN SKU



6 LAN SKU



Features

- Supports LVDS, HDMI, and DP ports
- 6 RJ45 (one for Qseven module board)
- 2 USB 3.0, 5 USB 2.0, and 7 COM ports (one for Qseven module board)
- 1 SATA 3.0, 1 SD socket, Dual Mini-PCle, and 1 mSATA
- 1 SMBus, 1 I2C, and 1 CAN Bus expansion
- Compliant with Qseven specifications revision 2.0

Ordering Information

Part Number	Description
919-99A1-002	MS-99A1 VER 12 STD QSEVEN CARRIER BOARD, MXM CONNECTOR, DP, HDMI, LVDS, 6GLAN, 5USB, 6COM, UART, PCIe x1, Mini-PCle, mSATA, SIM Holder, SMBus, I2C, DC-IN 12V, SATA CABLE, SATA POWER CABLE, DC-IN CABLE, CD, SINGLE

Specifications

Processor	CPU	N/A
	BIOS	AMI
Memory	Technology	N/A
Display	LVDS	Dual channel 18/24-bit (depends on module board)
	HDMI	1
	DisplayPort	1
	Multiple Display	3 independent displays
	Display Interface	Depends on module board
Ethernet	Controller	5 x Intel® I211-AT GbE LAN (6 GLAN SKU) 1 x Intel® I211-AT GbE LAN (2 GLAN SKU)
	Audio	Controller
Super I/O	Controller	Fintek F81866AD-I
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Pin header
I/O Interface	USB	3 x USB 2.0 (2 x rear; 1 x internal) 2 x USB 3.0 (2 x rear)
	Serial	6 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2: RS-232/422/485, 0V/5V/12V COM3-6: RS-232, 0V/5V/12V 1 x UART Port (from Qseven module board)
	Parallel	N/A
	PS/2	1 (box header)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
	PCIe x1	1
	M.2	N/A
	Mini-PCle	2 x Full-size (one w/ mSATA)
	SATA	1 x SATA 3.0
	mSATA	1
Storage	SATA	1 x SATA 3.0
	mSATA	1
Power Supply	DC	DC-in 12V
	ATX	N/A
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 (W x D x H)	170 x 170mm (Mini-ITX)
	Weight	0.242 Kg
	Certification	EMC
Software Platform	OS Support	FCC, CE, RCM, VCCI, BSMI
	OS Support	Depends on CPU Module Board

Packing List

Part Number	Description	Quantity
K1D-3008006-V03	SATA Power Cable, 300mm	1
K1D-1008261-V03	SATA Cable, 500mm	1
K10-3004215-V03	DC-IN Cable, 160mm	1

Optional Item

Part Number	Description
K14-1018003-V03	COM Port Cable, 300mm