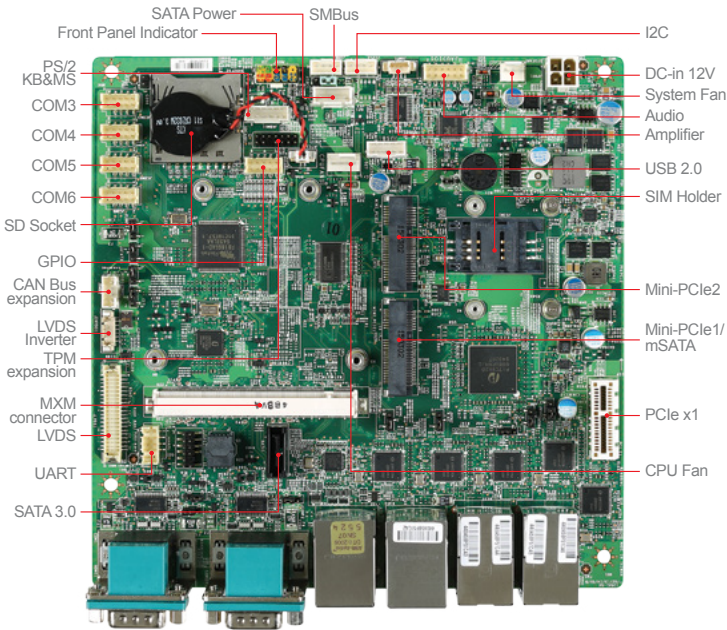
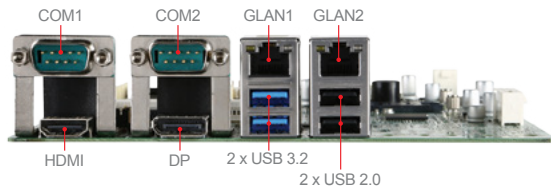


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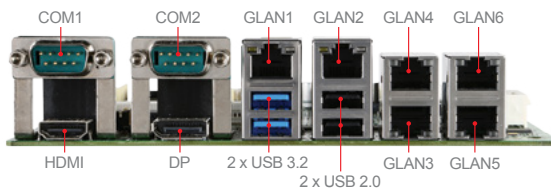
Qseven R2.0 Compliant Carrier Board in Mini-ITX for 6 GLAN & 7 COM Solution



2 LAN SKU



6 LAN SKU



Features

- Triple independent displays: DP/DP++, HDMI, eDP
- 6 GbE LAN with RJ-45 (one for Qseven module board)
- 1 PCIe x1, 1 Mini-PCle (Full/Half size, with SIM Holder), 1 Mini-PCle (Full/Half size, with mSATA) slots
- mSATA, SATA 3.0, SD for storage
- 2 USB 3.2 Gen 1, 3 USB 2.0, 7 COM (1 for Qseven module board), PS/2, Audio
- SMBus, I2C, 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 HDMI DisplayPort Multiple Display Display Interface
Ethernet	Controller	5 x Intel® I211-AT GbE LAN (6 GLAN SKU) 1 x Intel® I211-AT GbE LAN (2 GLAN SKU)
	Audio	Controller Realtek® ALC887-VD2-CG HD Audio Codec
Super I/O	Controller	Fintek F81866AD-I
	Watchdog Timer	256-level Watchdog Timer
H/W Monitor	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 3.2 Gen 1 (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
Expansion Slot	M.2	N/A
	Mini-PCle	2 x Full-size (one w/ mSATA)
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	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