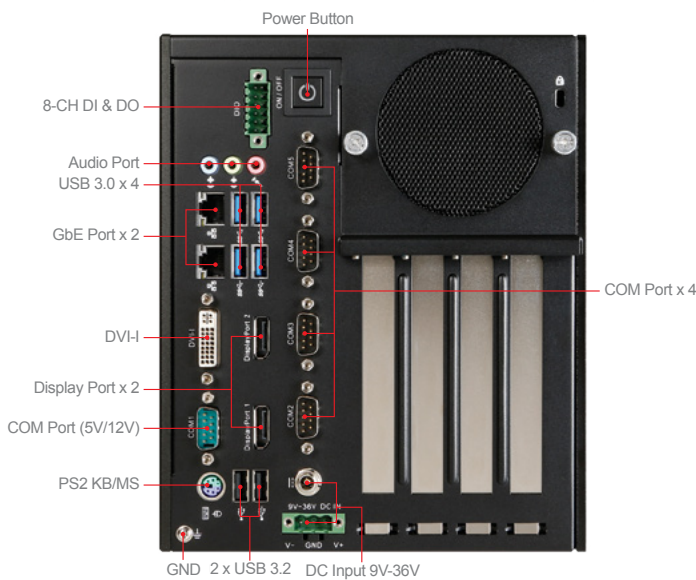


MS-9A66

Outperform Fanless Box PC with 4th Gen Intel® Core™ i Processor for Rugged, Scalable & Versatile Solution



Features

- Intel® 4th Gen Haswell-S Series with C226/Q87
- 2 DDR3 1600/1333 MHz ECC/non-ECC SODIMM slots up to 16GB
- Triple independent displays: DVI-I, 2 DP
- 2 GbE LAN with RJ-45
- SKU1: 1 PCIe x16 (Gen 3), 1 PCI, 1 Mini-PCIe (Full size, with mSATA) slots
- SKU2: 1 PCIe x16 (Gen 3), 3 PCI
- SKU3: 2 PCIe x8 (Gen 3), 2 PCI
- mSATA, 2 SATA 3.0 (2.5" SSD/HDD, 7mm) for storage
- SATA RAID 0/1
- 4 USB 3.2 Gen 1, 3 USB 2.0, 5 COM(2 RS485), Audio, GPIO, PS/2, System FAN
- Onboard TPM 1.2
- GPIO 8-bit supports 5~24V, Isolation 1.5KV
- Easy access CPU, HDD, memory, CFast, expansion slots
- Anti-Vibration & Shockproof Design to Compliance IEC 60068-2
- Wide Voltage DC-IN 9~36V
- Fanless design

Ordering Information

Part Number	Description
Please check MSI IPC website at http://ipc.msi.com for details.	

Packing List

Part Number	Description
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Specifications

System Processor	CPU	4th Gen Intel® Desktop Haswell Core™ i7/i5/i3/ Celeron®/Pentium® Processor, Max. 35W		
	Frequency	2.2 GHz~2.7 GHz (Depends on CPU)		
	L2 Cache	2M~4M (Depends on CPU)		
	CPU Type	Socket (LGA1150)		
	Chipset	Intel® Q87 Express	Intel® C226 Express	Intel® Q87 Express
Memory	BIOS	AMI		
	Technology	Dual-channel DDR3 1600/1333MHz		
	Max. Capacity	Up to 16GB		
Graphic	Socket	2 x 204-pin SO-DIMMs		
	Controller	Intel® HD Graphics		
	Graphic Memory	Depends on CPU		
Ethernet	Multiple Display	3 independent displays		
	Display Interface	DP up to 3840 x 2160 @60Hz DVI-I up to 1920 x 1200 @60Hz		
Ethernet	Controller	1 x Intel® I217GbE-PHY LAN 1 x Intel® I210-AT GbE LAN		
	Controller	Realtek® ALC887 HD Audio Codec		
H/W Monitor	Watchdog Timer	256-level Watchdog Timer		
	Smart Fan	N/A		
TPM	Controller	Infineon SLB9635TT1.2		
	Expansion Slot	PCIe x16	1	N/A
PCIe x8		N/A	2	N/A
PCI		3	2	1
M.2		N/A		
Mini-PCIe		N/A		1 x Full-size (w/ mSATA)
Storage	SATA	2 x 2.5" HDD/SSD		
	mSATA	N/A		1
	CFast	1		
I/O Interface	RJ-45	2		
	PoE	N/A		
	Audio	1 x Mic-in 1 x Line-out 1 x Line-in		
	USB	3 x USB 2.0 (one port w/ security key) 4 x USB 3.2 Gen 1		
	Serial	5 x COM ports COM1: RS232/422/485, 0V/5V/12V COM2: RS232/422/485, 0V COM3-5: RS-232, 0V		
	Parallel	N/A		
	PS/2	1		
	GPIO	8-bits (4 x GPI; 4 x GPO), 5~24V, Isolation 1.5KV		
	CANbus	N/A		
	DVI	1 (DVI-I)		
Power Supply	DisplayPort	2		
	DC Input	DC-In 9-36V Wide-Range pluggable connectors with latch (GND, V-, V+)		
	AC Input	N/A		
Environment	IP Rating	Full IP20		
	Operating Temperature	-10 ~ 50°C w/ industrial DC power		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		
	Storage Humidity	10 ~ 90%, non-condensing		
	Vibration	Operating, IEC 60068-2-27: 50G, half sine, 11ms (w/ HDD)		
Physical characteristics	Shock	Operating, IEC 60068-2-64: 2 Grms, random, 5 ~ 500 Hz, 1hr/axis (w/ HDD)		
	Dimensions (W x D x H)	176 x 226 x 217mm	143 x 226 x 217mm	
	Weight	4.86 kg	4.4 kg	
Certification	Mounting	Wall mount		
	EMC	FCC, CE, RCM, VCCI, BSMI		
Software Platform	Safety	N/A		
	OS Support	Windows XP (32/64-bit) Windows 7 (32/64-bit) Windows 8.1 (32/64-bit) Windows 10 (64-bit)		