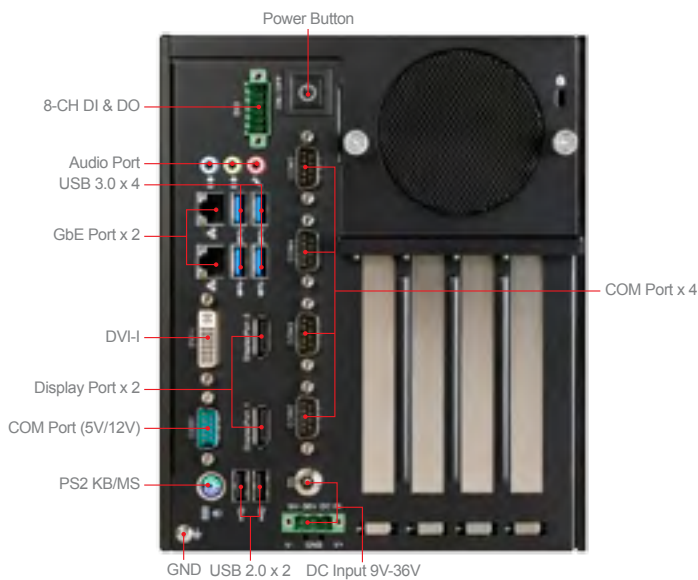


MS-9A66

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



Features

- 4th Gen Intel® Core i7/i5/i3/Pentium®/Celeron® processor
- Fanless design to support Intel® 4th Gen CPU (up to 35W)
- 3 independent display: DP and DVI-I
- Wide range 9~36V DC power input
- Supports AT power mode
- Optional system fan module
- Supports 2 expansion slots: 1*PCIe x16, 1*PCI for Q87 & 4 expansion slots: 1*PCIe x16, 3*PCI for Q87; 2*PCIe x8, 2*PCI for C226
- GPIO supports 5~24V for automation
- Removable cover for easy maintenance (HDD, memory, CFast, expansion slots)
- Supports DAQ, video capture and embedded VGA card for PCI express slot
- Anti-Vibration & Shockproof Design to Compliance IEC 60068-2

Ordering Information

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

Packing List

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

Specifications

System Processor	CPU	4th Gen Intel® Desktop Haswell Core™ i7/i5/i3/ Celeron®/Pentium® Processor, Max. 35W		
	Frequency	2.2GHz~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	Shared system memory up to 1.7 GB SDRAM		
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		
	Audio	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	4 x USB 3.0 3 x USB 2.0 (one port w/ security key)		
	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		
Physical characteristics	Vibration	Operating, IEC 60068-2-27: 50G, half sine, 11ms (w/ HDD)		
	Shock	Operating, IEC 60068-2-64: 2 Grms, random, 5 ~ 500 Hz, 1hr/axis (w/ HDD)		
Physical characteristics	Dimensions (W x D x H)	176 x 226 x 217mm	143 x 226 x 217mm	
	Weight	4.86 kg	4.4 kg	
	Mounting	Wall mount		
Certification	EMC	FCC, CE, RCM, VCCI, BSMI		
	Safety	N/A		
Software Platform	OS Support	Windows XP (32/64-bit) Windows 7 (32/64-bit) Windows 8.1 (32/64-bit) Windows 10 (64-bit)		