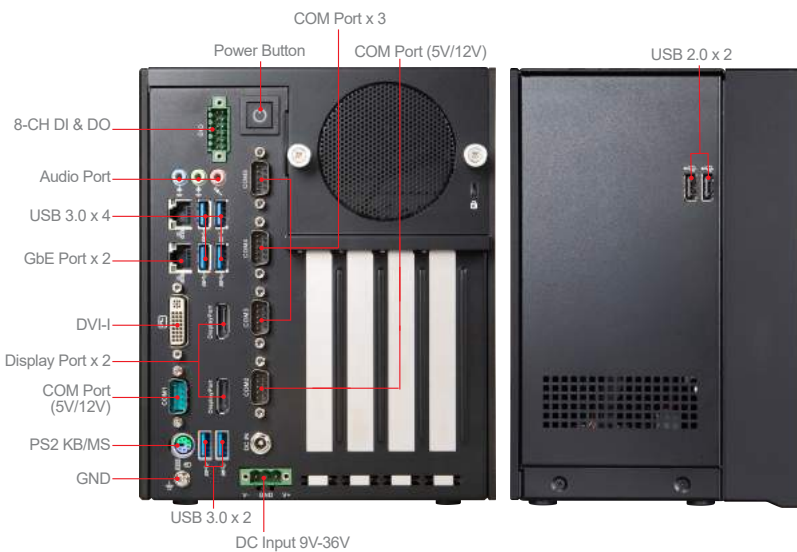


# MS-9A76

Outperform Fanless Box PC with 7th/6th Gen Intel® Core™ i Processor for Rugged, Scalable & Versatile Solution

NEW



## Features

- 7th/6th Gen Intel® Core i7/i5/i3/Pentium®/Celeron® processor
- Fanless design to support Intel® 7th/6th Gen CPU (up to 35W) 3 independent displays: DP and DVI-I
- Wide range 9~36V DC power input
- Supports AT power mode
- Optional system fan module (Up to 65W)
- Supports 2 expansion slots: 1\*PCIe x16; 1\*PCI and 4 expansion slots: 1\*PCIe x16; 3\*PCI, 2\*PCIe x8; 2\*PCI
- GPIO supports 5~35V for automation Removable
- cover for easy maintenance (CPU,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 <a href="http://ipc.msi.com">http://ipc.msi.com</a> for details.	

## Packing List

Part Number	Description
Please check MSI IPC website at <a href="http://ipc.msi.com">http://ipc.msi.com</a> for details.	

## Optional Item

Part Number	Description
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## Specifications

<b>Processor</b>	CPU	7th/6th Gen Intel® Desktop Kaby Lake/Skylake Core™ i7/i5/i3/Celeron®/Pentium® Processor, Max. 65W		
	Frequency	2.3GHz~3.9 GHz (Depends on CPU)		
	L2 Cache	2M~8M (Depends on CPU)		
	CPU Type	Socket (LGA1151)		
	Chipset	Intel® Q170 Express / Intel® C236 Express		
<b>Memory</b>	BIOS	AMI		
	Technology	Dual-channel DDR4(non-ECC) 2133/2400MHz for Q170 Dual-channel DDR4(ECC) 2133/2400MHz for C236		
	Max. Capacity	Up to 32 GB		
<b>Graphic</b>	Socket	2 x 260-pin SO-DIMMs		
	Controller	Intel® HD Graphics		
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	Multiple Display	3 independent displays		
<b>Ethernet</b>	Display Interface	DP up to 3840 x 2160 @60Hz DVI-I up to 1920 x 1200 @60Hz		
	Controller	1 x Intel® I219GbE-PHY LAN (Support Intel AMT) 1 x Intel® I210-AT GbE LAN		
<b>Audio</b>	Controller	Realtek® ALC887 HD Audio Codec		
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer		
	Smart Fan	N/A		
<b>TPM</b>	Controller	Infineon SLB9665TT2.0		
	Expansion Slot	PCIe x 16	1	N/A
<b>Storage</b>	PCIe x 8	N/A	2	N/A
	PCIe x 4	N/A		
	PCIe x 1	N/A		
	PCI	3	2	1
	M.2	N/A		
	Mini-PCIe	N/A		
	SATA	2 x 2.5" HDD/SSD		
mSATA	N/A		1	
<b>I/O Interface</b>	CFast	1		
	CompactFlash	N/A		
	RJ-45	2		
	PoE	N/A		
	Audio	1 x Mic-in , 1 x Line-out , 1 x Line-in		
	USB	6 x USB 3.0 5 x USB 2.0 (one port w/ security key)		
	Serial	5 x COM ports COM1~2: RS232/422/485, 0V/5V/12V COM3~5: RS-232, 0V		
	Parallel	N/A		
	PS/2	1		
	GPIO	8-bits (4 x GPI; 4 x GPO), 5~35V, Isolation 1.5KV		
	CANbus	N/A		
	HDMI	N/A		
	LVDS	N/A		
	DVI	1 (DVI-I)		
	DisplayPort	2		
VGA	N/A			
Antenna	N/A			
<b>I/O Interface</b>	DC Input	DC-In 9-36V Wide-Range pluggable connectors with latch (GND, V-, V+)		
	AC Input	N/A		
<b>Environment</b>	IP Rating	Full IP20		
	Operating Temperature	-10 ~ 50°C w/ industrial DC power Up to 35W CPU -10 ~ 40°C w/ Fan module Up to 65W CPU		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		
	Storage Humidity	10 ~ 90%, non-condensing		
	Vibration	Operating, IEC 60068-2-64: 1.5 Grms, random, 5~500 Hz, 1hr/axis (w/ HDD/SSD)		
	Shock	Operating, IEC 60068-2-27: 50G, half sine, 11ms (w/ HDD/SSD)		
<b>Form Factor</b>	Dimensions	217 x 226 x 176mm	217 x 226 x 143mm	
	Weight	4.8 kg	4.4 kg	
	Weight	Wall mount		
<b>Certification</b>	EMC	FCC Class A, CE, RCM, VCCI, BSMI		
	Safety	UL		
<b>Software Platform</b>	OS Support	Windows 7 (32/64-bit) (Skylake-S only) Windows 8.1 (64-bit) (Skylake-S only) Windows 10 (64-bit)		

MSI reserves the right to change the specifications without prior notices.

HMI Panel PC  
Embedded System Board  
Embedded Board  
Semi-rugged Terminal  
POS System Board  
COM Express Board  
Qseven Board  
Pico-ITX Board  
3.5" Board  
EPIC Board  
PICMG 1.0 Board  
Mini-ITX Board  
Micro-ATX Board  
ATX Board