

msi[®] IPC

Outperform Fanless Systems

With Powerful 4th Gen Scheme



Comprehensive Expansion Options

SKU	4slots	4slots	2slots
PCIe x 16	1	-	1
PCIe x 8	-	2	-
PCI	3	2	1

KingBOX MS-9A66

<http://ipc.msi.com>

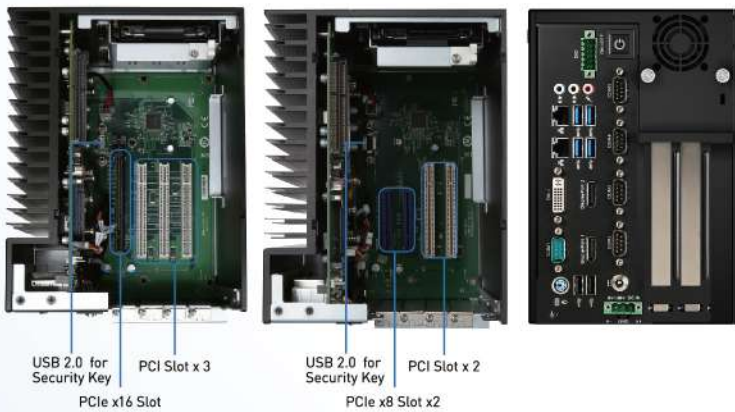
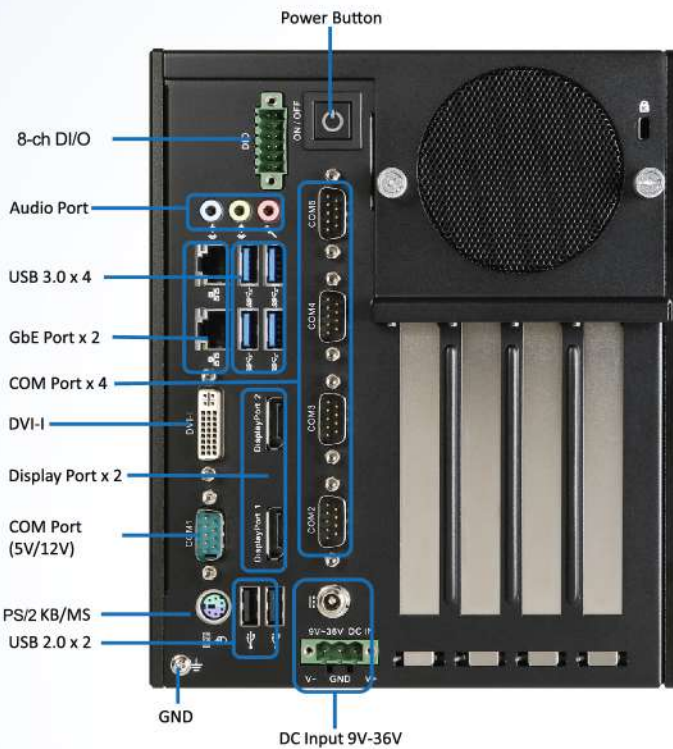
Smart mechanical design for easy access



01. Unwind the thumbscrew

02. Remove the top cover

03. Easily access interior and I/O



Specifications

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)		
Memory	Chipset	Intel® Q87 Express	Intel® C226 Express	Intel® Q87 Express
	BIOS	AMI		
	Technology	Dual-channel DDR3 1600/1333MHz		
Display	Max. Capacity	Up to 16 GB		
	Socket	2 x 204-pin SO-DIMMs		
	Controller	Intel® HD Graphics		
Ethernet	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	Multiple Display	3 Independent Displays		
	Display Interface	DP up to 3840 x 2160, DVI-I up to 1920 x 1200		
Audio	Controller	1 x Intel® I217GbE-PHY LAN, 1 x Intel® I210-AT		
	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
Storage	PCIe x8	N/A	2	N/A
	PCIe x4	N/A		
	PCIe x1	N/A		
	PCI	3	2	1
	M.2	N/A		N/A
	Mini-PCIe	N/A		1 x Full-size (w/ mSATA)
	SATA	2 x 2.5" HDD/SSD		
mSATA	N/A		1	
I/O Interface	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	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		
Power Supply	CANbus	N/A		
	DVI	1 (DVI-I)		
	DisplayPort	2		
	VGA	N/A		
	Antenna	N/A		
Environment	DC Input	DC-In 9-36V Wide-Range, pluggable connectors with latch (GND, V-, V+)		
	IP Rating	Full IP20		
	Operating Temperature	-10 ~ 50°C w/ industrial DC power		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		
Form Factor	Storage Humidity	10 ~ 90%, non-condensing		
	Vibration	Operating, 0.25 Grms, 5-300Hz, 3axes (w/ HDD)		
	Shock	Operating, 3 G, half sine 11 ms duration (w/ HDD)		
Certification	Dimensions	176mm x 226mm x 217mm	143mm x 226mm x 217mm	
	Weight	4.86 kg		TBC
	Mounting	Wall mount		
Software Platform	EMC	FCC, CE, RCM, VCCI, BSMI		
	Safety	N/A		
OS Support	OS Support	Windows XP (32/64-bit), Windows 7 (32/64-bit), Windows 8.1 (32/64-bit), Windows 10 (64-bit)		

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 supported
- 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 and 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 VGA card for PCI express slot

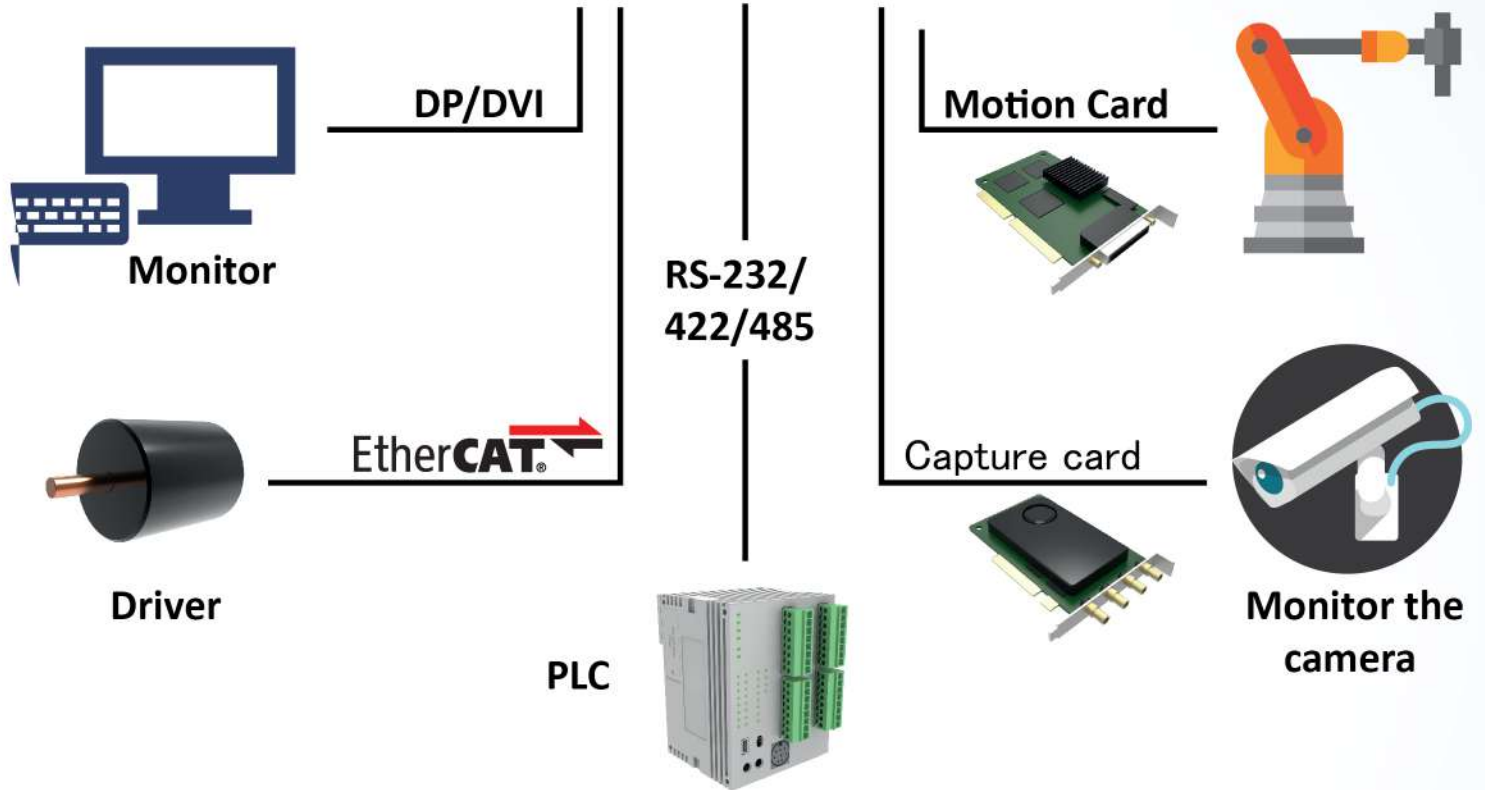
High-Performance & Flexible Expansibility Fanless BOX PC

- 100G anti-shock
1Grma anti-vibration
- API Support
- DOUBLE 9-36V
DC POWER INPUT



- Easy maintenance
HDD/memory/CF Card
- FANLESS DESIGN
- GPIOS-24V
w/ isolation

MS-9A66



► Scalable High Performance

Scalable CPU options to support the highest performance that fulfills any demanding application requirements.



► Hassle-free Fanless Design

Fanless design to minimize downtime and maximize MTBF, ensuring the long-term hassle-free operation with silence.



► Wide-range DC Power Input

Wide-range DC power design that allows 9 to 36 VDC input, catering to any industrial application scenes.



► Easy Configuration via Friendly API

Easy setup and configuration via MSI's self-developed friendly API, facilitating your installation and maintenance.



Rugged, Scalable, Versatile



Intelligent Transportation



Intelligent Transportation



Facility Management



Utility Automation



Environment Monitoring

► Superior Expansion Versatility

Rich expansion options that come with DIO, 1 PCIe x16 and 3 PCI slots or 2 PCIe x8 and 2 PCI Slots or 1 PCIe x16 and 1 PCI, both offering versatile capability in system integration.



PCIe Card



LPT



Powered USB



Capture



Capture



Graphics

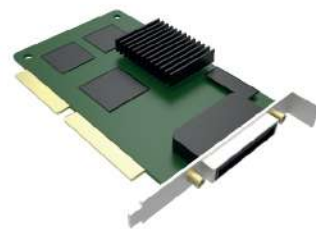
PCI Card



CDW



COM Port



Motion