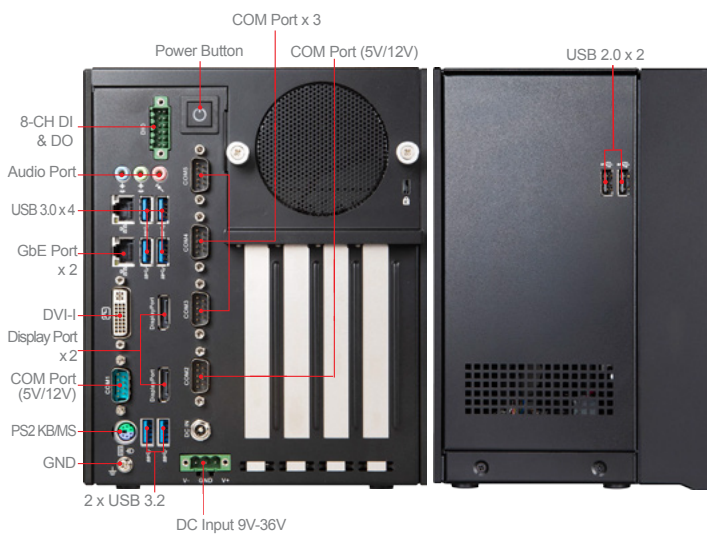


MS-9A76

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

NEW



Features

- Intel® 7th/6th Gen Kaby Lake-S/Skylake-S Series with C236/Q170
- 2 DDR4 2400/2133 MHz ECC/non-ECC SODIMM slots up to 32GB
- 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
- 6 USB 3.2 Gen 1, 5 USB 2.0(2 ports by option), 5 COM(2 RS485), Audio, GPIO, PS/2, System FAN
- Onboard TPM 2.0
- GPIO 8-bit supports 5~35V, 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 |
|--|-------------|
| Please check MSI IPC website at http://ipc.msi.com for details. | |

Optional Item

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

Specifications

| | | | | |
|--------------------------|-----------------------|--|-------------------|-----|
| Processor | CPU | 7th/6th Gen Intel® Desktop Kaby Lake/Skylake Core™ i7/ i5/i3/Celeron®/Pentium® Processor, Max. 65W | | |
| | Frequency | 2.3 GHz~3.9 GHz (Depends on CPU) | | |
| | L2 Cache | 2M~8M (Depends on CPU) | | |
| | CPU Type | Socket (LGA1151) | | |
| | Chipset | Intel® Q170 Express / Intel® C236 Express | | |
| | BIOS | AMI | | |
| Memory | Technology | Q170: Dual-channel DDR4(non-ECC) 2133/2400MHz C236: Dual-channel DDR4(ECC) 2133/2400MHz | | |
| | Max. Capacity | Up to 32GB | | |
| | Socket | 2 x 260-pin SO-DIMMs | | |
| Display | Controller | Intel® HD Graphics | | |
| | Graphic Memory | Depends on CPU | | |
| | Multiple Display | 3 Independent Displays | | |
| Display Interface | 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 | | |
| Ethernet | Controller | Realtek® ALC887 HD Audio Codec | | |
| Audio | Controller | 256-level Watchdog Timer | | |
| H/W Monitor | Watchdog Timer | N/A | | |
| TPM | Controller | Infineon SLB9665TT2.0 | | |
| Expansion Slot | PCIe x16 | 1 | N/A | 1 |
| | PCIe x8 | N/A | 2 | N/A |
| | PCIe x4 | N/A | | |
| | PCIe x1 | N/A | | |
| | PCI | 3 | 2 | 1 |
| | M.2 | N/A | | |
| Storage | Mini-PCIe | 1 x Full-size (w/ mSATA) | | |
| | SATA | 2 x 2.5" HDD/SSD | | |
| | mSATA | N/A | | |
| | CFast | 1 | | |
| I/O Interface | CompactFlash | N/A | | |
| | RJ-45 | 2 | | |
| | PoE | N/A | | |
| | Audio | 1 x Mic-in 1 x Line-out 1 x Line-in | | |
| | USB | 5 x USB 2.0 (one port w/ security key) 6 x USB 3.2 Gen 1 | | |
| | Serial | 5 x COM ports COM1~2: RS232/422/485, 0V/5V/12V COM3~5: RS-232, 0V | | |
| | PS/2 | 1 | | |
| | GPIO | 8-bits (4 x GPI; 4 x GPO), 5~35V, Isolation 1.5KV | | |
| | CANbus | N/A | | |
| | HDMI | N/A | | |
| Power Supply | LVDS | N/A | | |
| | DVI | 1 (DVI-I) | | |
| | DisplayPort | 2 | | |
| | Antenna | N/A | | |
| | 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 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 | | |
| Environment | 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) | | |
| | Dimensions (Wx DxH) | 217 x 226 x 176mm | 217 x 226 x 143mm | |
| Form Factor | Weight | 4.8 Kg | | |
| | Mounting | Wall mount | | |
| Certification | EMC | FCC Class A, CE, RCM, VCCI, BSMI | | |
| | Safety | UL | | |
| Software Platform | OS Support | Windows 7 (32/64-bit) (Intel® Skylake-S Series CPU Only) Windows 8.1 (64-bit) (Intel® Skylake-S Series CPU Only) Windows 10 (64-bit) | | |

Industrial Computer Board Qseven Board Pico-ITX Board 3.5" Board EPIC Board PICMG Board Mini-ITX Board Micro-ATX Board ATX Board Compact-Size LVDS/DVI Compact-Size DC/DC Compact-Size Mini-PCIe Intel® SDM