

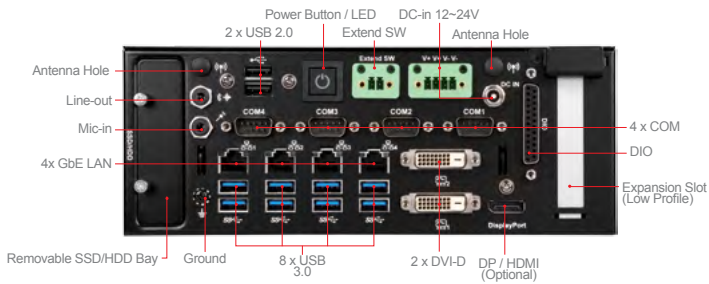
MS-9B11

Outperform Fanless Box PC with 7th/6th Gen Intel® Kaby Lake/ Skylake Processor for One Site I/O & Simplified Installation Solution

MS-9B11-S1



MS-9B11-S2



Features

- 7th/6th Gen Intel® Kaby Lake-S/Skylake-S Core™ i7/i5/i3, Pentium®, Celeron® Processors
- Fanless design to support Intel® 7th/6th Gen CPU (up to 35W)
- Activate thermal design to support Intel® 7th/6th Gen CPU (up to 65W)
- 3 independent displays: Dual DVI-D and DP/HDMI (Optional)
- Wide range 12~24V DC power input
- Supports 2.5" removable HDD/SSD Drive Bay & M.2 M Key 2242/2280 for Storage with RAID 0, 1, 5
- Supports Mini-PCIe with SIM Holder & PCIe x16 for Expansion Slot (Low Profile)
- Supports 4 Intel® GbE LAN, 8 USB 3.0 ports, 4 COM ports & 16Bit DIO
- One site I/O for simplified installation and maintenance

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

We reserve the right to change the specifications without prior notices.

NEW

Specifications

		MS-9B11-S1	MS-9B11-S2
System Processor	CPU	Intel® Desktop 7th Gen Kaby Lake-S & 6th Gen Skylake-S Core™ i7/i5/i3, Pentium® Celeron® Processor, Max. 35W	Intel® Desktop 7th Gen Kaby Lake-S & 6th Gen Skylake-S Core™ i7/i5/i3, Pentium®, Celeron® Processor, Max. 65W
	Frequency	2.3GHz~4.0GHz (Depends on CPU)	
	L2 Cache	2M ~ 8M (Depends on CPU)	
	CPU Type	Socket (LGA1151)	
	Chipset	Intel® Q170 Express	
Memory	BIOS	AMI	
	Technology	Dual-channel DDR4 2133MHz/2400MHz	
	Max. Capacity	up to 32GB	
Graphic	Socket	2 x 260-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	DVI-D up to 1920 x 1200 @60Hz DP up to 4096 x 2304 @60Hz HDMI up to 4096 x 2160 @24Hz	
Audio	Controller	4 x Intel® I210-AT GbE LAN	
H/W Monitor	Controller	Realtek® ALC887 HD Audio Codec	
	Watchdog Timer	256-level Watchdog Timer	
TPM	Smart Fan	N/A	Yes
	Controller	Infineon SLB9665TT 2.0	
Expansion Slot	PCIe x16	1 (Maximum 75W, Low Profile Supported)	
	M.2	1 x M Key (PCIe x4, SATA3.0), 2242/2280	
	Mini-PCIe	1 x Full-size (w/ SIM holder)	
Storage	SATA	2 x 2.5" HDD/SSD Bay (One w/ Removable)	
	mSATA	N/A	
I/O Interface	RJ-45	4	
	Audio	1 x Mic-in 1 x Line-out	
	USB	8 x USB 3.0 2 x USB 2.0	
	Serial	4 x COM ports COM1: RS-232/422/485, RI/5V/12V COM2~4: RS-232/422/485, 0V/5V/12V	
	GPIO	16-bits (8 x GPI; 8 x GPO), 5V	
	HDMI	1 (by BOM Optional)	
	LVDS	N/A	
	DVI	2 (DVI-D)	
	DisplayPort	1	
	Antenna	2 openings reserved for antennas	
Power Supply	DC Input	DC-In 12-24V Wide-Range Phoenix pluggable connectors with latch (V+, V-)	
	Operating Temperature	-10 ~ 50°C	
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
Environment	Storage Humidity	10 ~ 90%, non-condensing	
	Vibration	Operating: 0.5 Grms, 5-300Hz, 3axes (w/ HDD) Operating: 5 Grms, 5-300Hz, 3axes (w/ SSD)	
	Shock	Operating: 3 G, half sine 11 ms duration (w/ HDD) Operating: 30 G, half sine 11 ms duration (w/ SSD)	
Physical characteristics	Dimensions (WxDxH)	235 x 200 x 125mm	235 x 200 x 88mm
	Weight	4.36 kg	2.66 kg
	Mounting	Wall mount	
Certification	EMC	FCC Class A, CE, RCM, BSMI, VCCI	
	Safety	BSMI	
Software Platform	OS Support	Windows 10 (64-bit) Windows 7 (32/64-bit) (Intel® Skylake-S Series CPU Only) Windows 8.1 (64-bit) (Intel® Skylake-S Series CPU Only) Linux Fedora 23 (by request) Linux Ubuntu 16.04 (by request)	