

MS-9B11

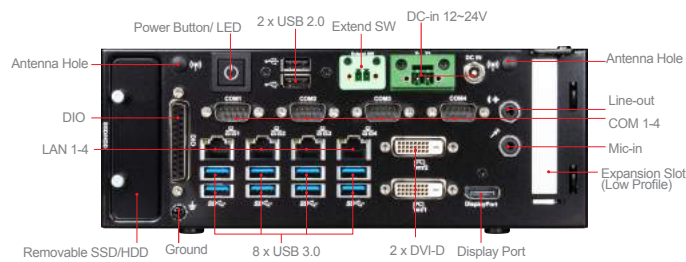
Outperform Fanless Box PC with 7th/6th Gen Intel® Kaby Lake/Skylake Processor for One Site I/O & Simplified Installation Solution

NEW

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 ExpansionSlot (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
939-9B11-002	MS-9B11-S1/MS-9B11/709-9B11-010/829-9B11-005/STD VER.1.1 FANLESS, Q170, BLACK, 1*SATA CABLE, 2*WALL MOUNT, 2*TERMINAL BLOCK, 2*THERMAL PAD, 1*DRIVER CD, SINGLE
939-9B11-003	MS-9B11-S2/MS-9B11/709-9B11-020/829-9B11-006/OPT-A VER.1.1 FAN COOLER, Q170, BLACK, 1*SATA CABLE, 2*WALL MOUNT, 2*TERMINAL BLOCK, 2*THERMAL PAD, 1*DRIVER CD, SINGLE

Optional Item

Part Number	Description
S93-0404420-S14	Adaptor 19V/180W
OE2-9A7001-000	DIN Rail (2pcs for 1set)
E43-1306044-P65	Screw for DIN Rail Mounting (4pcs for 1set)
K33-3001020-I45	Power Cord, US, 1800mm
K33-3001021-I45	Power Cord, EU, 1800mm

Specifications

		MS-9B11-S1	MS-9B11-S2
System Processor	CPU	7th/6th Gen Intel® Kaby Lake-S/ Skylake-S Core™ i7/i5/i3, Pentium®, Celeron® Processors, Max. 35W	7th/6th Gen Intel® Kaby Lake-S/ Skylake-S Core™ i7/i5/i3, Pentium®, Celeron® Processors, 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	
	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		
Ethernet	Controller	4 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	Yes
TPM	Controller	Infineon SLB9665T 2.0	
Expansion Slot	PCIe x16	1 (Maximum 75W, Low Profile Supported)	
	M.2	1 x M Key (PCIe x4 NVMe, 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)	
	RJ-45	4	
I/O Interface	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	
Power Supply	HDMI	1 (by BOM Optional)	
	DVI	2 (DVI-D)	
	DisplayPort	1	
	Antenna	2 openings reserved for antennas	
	DC Input	DC-In 12-24V Wide-Range, Phoenix pluggable connectors with latch (V+, V-)	
	Operating Temperature	-10 ~ 45°C	
Environment	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
	Vibration	Operating: 0.25 Grms, 5-300Hz, 3axes (w/ HDD)	
Physical Characteristics	Shock	Operating: 3 G, half sine 11 ms duration (w/ HDD)	
	Dimensions (WxDxH)	235 x 200 x 125mm	235 x 200 x 88mm
	Weight	4.43 kg	2.50 kg
Certification	Mounting	Wall mount, DIN-rail mount (by BOM option)	
	EMC	FCC Class A, CE, RCM, BSMI, VCCI	
Software Platform	Safety	BSMI	
	OS Support	Windows 7 (32/64-bit) (Skylake-S Series Only) Windows 8.1 (64-bit) (Skylake-S Series Only) Windows 10 (64-bit) Linux Fedora 23 (by request) Linux Ubuntu 16.04 (by request)	

Packing List

Part Number	Description	939-9B11-001	939-9B11-002
E22-9B11130-LA2	Wall Mounting Bracket	2	2
E49-1304011-P65	Screw for Wall Mounting	6	6
E25-9B01030-K23	Rubber for Wall Mounting	6	6
E43-1304037-P65	Screw for 2.5" Drive Bay	8	8
E25-9B11070-K23	Rubber for 2.5" Drive Bay	8	8
E31-0806300-K08	FANLESS Thermal Module	1	0
E32-0802420-K08	FAN Cooler	0	1
K1D-3012023-V03	SATA Cable with Power, 230mm	1	0
E26-9B11010-Z36	HDD Thermal Pad	2	2
NA1-1020051-PC1	Phoenix Terminal Plugged for Extend SW	1	1
NA1-1020073-SR2	Phoenix Terminal Plugged for DC-in	1	1

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