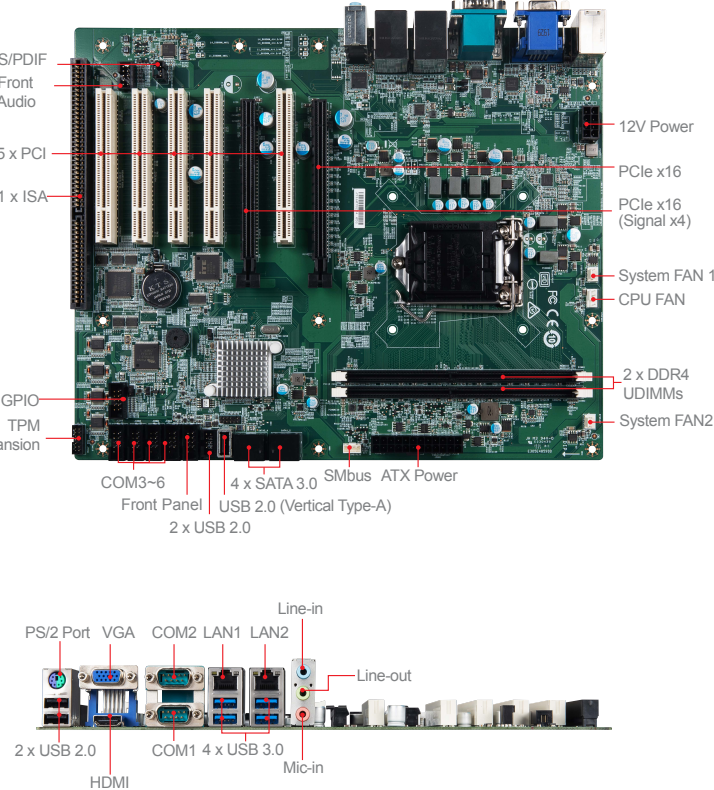


MS-98L9 V2.0

ATX with 7th/6th Gen Intel® Kaby Lake/Skylake Core™ i7/i5/ i3,Pentium®, Celeron® Processor & Intel® H110 for Mainstream with ISA Solution

NEW



Features

- Intel® Kaby Lake-S/Skylake-S Series CPU to maximize performance
- 2 DDR4 2133/2400MHz UDIMMs slots up to 32GB memory
- Supports VGA, HDMI and dual Intel® GbE LAN
- Supports 4 SATA 3.0, 4 USB 3.0, 5 USB 2.0 and 6 COM ports for flexible applications
- Supports 1 PCIe x16, 1 PCIe x4 , 5 PCI Slots, 1 ISA Slot

Ordering Information

Part Number	Description
Coming soon	

Packing List

Part Number	Description
Coming soon	

Specifications

Processor	CPU	7th/6th Gen Intel® Desktop Kaby Lake/Skylake i7/i5/ i3/Pentium® /Celeron® Series Processor, Max 95W
	Frequency	2.3GHz~4.2GHz (Depends on CPU)
	L2 Cache	2MB~8MB (Depends on CPU)
	CPU Type	Socket (LGA 1151)
	Chipset	Intel® H110 Express
Memory	BIOS	AMI UEFI
	Technology	Dual-channel DDR4 2133/2400MHz
	Max. Capacity	Up to 32GB
	Socket	2 x 288-pin UDIMMs
	Controller	Intel® HD Graphics
Display	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	N/A
	eDP	N/A
	VGA	1
	DVI	N/A
	HDMI	1
	DisplayPort	N/A
	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 @60Hz HDMI up to 4096 x 2160 @24Hz
Ethernet	Controller	1 x Intel® I219-LM GbE LAN PHY 1 x Intel® I211-AT GbE LAN
Audio	Controller	Realtek® ALC887-VD2-CG Audio Codec
Super I/O	Controller	Fintek F81866AD-I
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Box header
I/O Interfaces	USB	4 x USB 3.0 (4 x rear) 5 x USB 2.0 (2 x rear, 3 x internal with one Vertical Type-A)
	Serial	6 x COM ports (2 x rear, 4 x Internal) COM1: RS-232/422/485, 0V/5V/12V, Auto-flow Control COM2~6: RS-232, COM2: 0V/5V/12V
	PS/2	1 x PS/2 port by Y-cable for keyboard and mouse
	GPIO	8-bits (4 x GPI; 4 x GPO by default), 5V 8-bits (8 x GPI or 8 x GPO by request), 5V
Expansion Slot	PCIe x16	1
	PCIe x4	1
	PCIe x1	N/A
	PCI	5
	M.2	N/A
	Mini-PCIe	N/A
Storage	SATA	4 x SATA 3.0
	IDE	N/A
	eSATA	N/A
	CFast	N/A
	mSATA	N/A
	CompactFlash	N/A
Power Supply	DC Input	N/A
	ATX	ATX-Power 24P, 12V-8P
Environment	Operating Temperature	-10 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	305 x 244mm (ATX)
	Weight	0.70 kg
Certification	EMC	CE, FCC Class B, BSMI, RCM, VCCI
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)
		* 1 x ISA Slot (Windows 7 32-bit Supported Only)