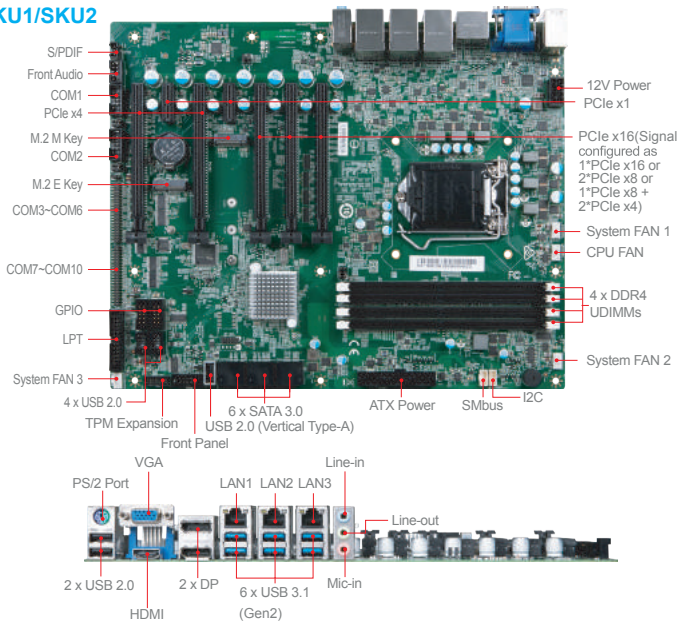


# MS-98K9

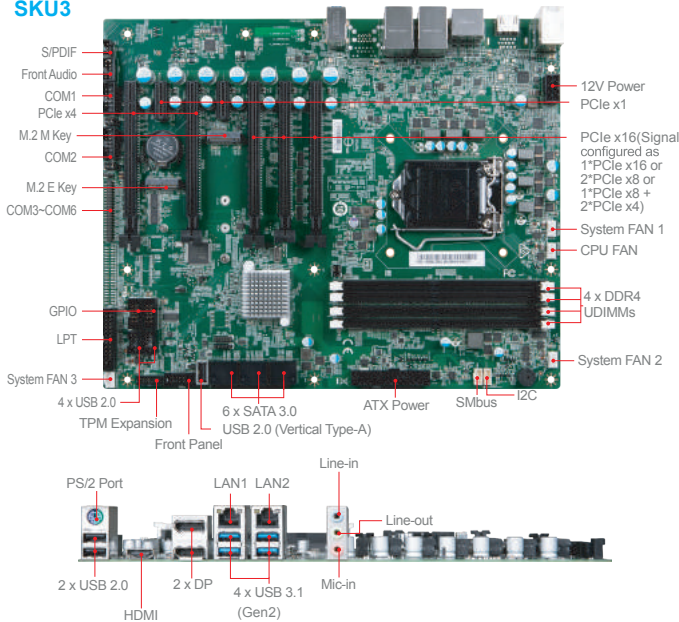
ATX with 8th Gen Intel® Coffee Lake-S Xeon®, Core™ i7/i5/i3, Pentium®, Celeron® Processor & Intel® C246/Q370 for High-Performance Solution

NEW

## SKU1/SKU2



## SKU3



## Features

- Intel® Coffee Lake-S Series CPU to maximize performance
- 4 DDR4 2666MHz UDIMMs slots up to 64GB memory
- Supports dual DP, VGA, HDMI, 3 Intel® GbE LAN and AMT 12.x
- Supports 6 SATA 3.0, 6 USB 3.1(Gen2), 7 USB 2.0 and 10 COM ports for flexible applications
- Supports 3 PCIe x16 (Signal configured as 1 PCIe x16 or 2 PCIe x8 or 1 PCIe x8 + 2 PCIe x4), 2 PCIe x4 (PCIe x16 Slot Type) and 2 PCIe x1 Slots

## Ordering Information

Part Number	Description
Coming soon	

## Packing List

Part Number	Description
Coming soon	

## Specifications

		SKU1	SKU2	SKU3
<b>Processor</b>	CPU	8th Gen Intel® Desktop Coffee Lake-S Xeon® /i7/i5/i3/ Pentium® /Celeron® Series Processor, Max 95W		
	Frequency	2.1GHz~4.7GHz (Depends on CPU)		
	L2 Cache	2MB~12MB (Depends on CPU)		
	CPU Type	Socket (LGA 1151)		
	Chipset	Intel® C246 Express	Intel® Q370 Express	
	BIOS	AMI UEFI		
<b>Memory</b>	Technology	Dual-channel DDR4 (ECC/non-ECC) 2666MHz	Dual-channel DDR4 (non-ECC) 2666MHz	
	Max. Capacity	Up to 64GB		
	Socket	4 x 288-pin UDIMMs		
	Controller	Intel® HD Graphics		
<b>Display</b>	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	LVDS	N/A		
	eDP	N/A		
	VGA	1	N/A	
	DVI	N/A		
	HDMI	1		
	DisplayPort	2		
	Multiple Display	3 independent displays		
	Display Interface	VGA up to 1920 x 1200 @60Hz	HDMI up to 4096 x 2160 @24Hz	
		HDMI up to 4096 x 2160 @24Hz DP up to 4096 x 2304 @60Hz	DP up to 4096 x 2304 @60Hz	
<b>Ethernet</b>	Controller	1 x Intel® I219-LM GbE LAN PHY 2 x Intel® I210-AT GbE LAN	1 x Intel® I219-LM GbE LAN PHY 1 x Intel® I210-AT GbE LAN	
		<b>Audio</b>	Controller	Realtek® ALC887-VD2-CG Audio Codec
<b>Super I/O</b>	Controller	Fintek F81866AD-I		
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer		
	Smart Fan	Yes		
<b>TPM</b>	Controller	Infineon SLB 9665TT2.0		Box header (Default) Infineon SLB9665TT2.0 (by BOM option)
		<b>I/O Interfaces</b>	USB	6 x USB 3.1 Gen2 (6 x rear) 7 x USB 2.0 (2 x rear, 5 x internal with one Vertical Type-A)
Serial	10 x COM ports (internal) COM1-2: RS-232/422/485, Ring/0V/5V/12V, Auto-flow Control COM3-10: RS-232, 0V/5V/12V			6 x COM ports (Internal) COM1-2: RS-232/422/485, Ring/0V/5V/12V, Auto-flow Control COM3-6: RS-232, 0V/5V/12V
	Parallel		Yes	
PS/2	1 x PS/2 port by Y-cable for keyboard and mouse			
<b>Expansion Slot</b>	GPIO	16-bits (8 x GPI; 8 x GPO), 5V		
	PCIe x16	3 (Signal configured as 1 PCIe x16 or 2 PCIe x8 or 1 PCIe x8 + 2 PCIe x4)		
	PCIe x4	2 (PCIe x16 Slot Type)		
	PCIe x1	2		
	PCI	N/A		
	M.2	1 x M Key (PCIe x4, SATA 3.0), 2242/2260/2280		
	Mini-PCIe	N/A		
<b>Storage</b>	SATA	6 x SATA 3.0 (Support RAID 0/1/5/10, SATA Port 6 share with M.2 M Key)		
		<b>Power Supply</b>	ATX	ATX-Power 24P, 12V-8P
<b>Environment</b>	Operating Temperature	-10 ~ 60°C		
		Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature		-20 ~ 80°C	
		Storage Humidity	10 ~ 90%, non-condensing	
<b>Form Factor</b>	Dimensions		305 x 244mm (ATX)	
	Weight	0.70 kg		
<b>Certification</b>	EMC	CE, FCC Class B, BSMI, RCM, VCCI		
<b>Software Platform</b>	OS Support	Windows 10 (64-bit) Linux Kernel 4.x (by request)		