



NEW



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Model		MS-C906		MS-C903		
		Industrial Computer				
System Processor	CPU	Embedded SKUs	Industrial SKUs	Embedded SKUs	Industrial SKUs	
		Intel® Mobile 13th Gen Raptor Lake-P U Series Processors, Core™ i5-1345UE / i3-1315UE	Intel® Mobile 13th Gen Raptor Lake-P U Series Processors, Core™ i5-1345URE / i3-1315URE	Intel® Mobile 11th Gen Tiger Lake-UP3 Series Processors, Core™ i3-1115G4E / i5-1145G7E / i7-1185G7E	Intel® Mobile 11th Gen Tiger Lake-UP3 Series Processors, Core™ i3-1115GRE / i5-1145GRE	
		Frequency	3.30 GHz~4.6 GHz (Depends on CPU)		2.20 GHz~4.4 GHz (Depends on CPU)	
		L2 Cache	6M~12M (Depends on CPU)		6M~12M (Depends on CPU)	
		CPU Type	BGA		BGA	
		Chipset	Integrated in SoC Process		Integrated in SoC Process	
Memory	BIOS	AMI		AMI		
	Technology	Single-channel DDR5 5200 MHz		Dual-channel DDR4 3200 MHz		
	Max. Capacity	Up to 32 GB		Up to 64 GB		
Graphic	Socket	1 x 262-pin SO-DIMMs		2 x 260-pin SO-DIMMs		
	Controller	Intel® Iris® Xe Graphics (For i5 SKU) Intel® UHD Graphics (For i3 SKU)		Intel® Iris® Xe Graphics (For i5/ i7 SKU) Intel® UHD Graphics (For i3 SKU)		
	Graphic Memory	Depends on CPU		Depends on CPU		
	Multiple Display	4 independent displays		2 independent displays		
Ethernet	Display Interface	HDMI 2.0 up to 4096 x 2340 @60Hz		HDMI 1.4 up to 4096 x 2160 @30Hz DP up to 7680 x 4320 @60Hz		
	Controller	4 x Intel® I226-LM GbE LAN	4 x Intel® I226-IT 2.5 GbE LAN	2 x Intel® I225-LM GbE LAN	2 x Intel® I225-IT 2.5 GbE LAN (LAN Speed running at 1000/100/10Mbps when OP TEMP. over 70°C)	
	Audio	Realtek® ALC897 HD Audio Codec (Co-lay ALC888S)		Realtek® ALC888S-VD2-GR HD Audio Codec		
H/W Monitor	Controller	256-level Watchdog Timer		256-level Watchdog Timer		
TPM	Smart Fan	N/A		N/A		
	Controller	Infineon SLB9672VU2.0	Infineon SLB9672XU2.0	Infineon SLB9670VQ2.0/FW7.85	Infineon SLB9670XQ2.0/FW7.85	
	PCIe x16	N/A		N/A		
	PCIe x8	N/A		N/A		
	PCIe x4	N/A		N/A		
	PCIe x1	N/A		N/A		
	PCI	N/A		N/A		
Expansion Slot	M.2	1 x M.2 M key (PCIe Gen4 x4 NVMe), 2280 1 x M.2 B key (PCIe x1, USB 2.0, w/NANO SIM-Holder), 2242/3042 1 x M.2 E key (PCIe x1, USB 2.0, w/CNV), 2230		1 x M.2 M key (PCIe Gen4 x4 NVMe), 2280 1 x M.2 B key (SATA 3.0, PCIe x1, USB 2.0, w/NANO SIM-Holder), 2242/3042 1 x M.2 E key (PCIe x1, USB 2.0), 2230		
	Mini-PCIe	N/A		N/A		
	SATA	1 x 2.5" SSD Bay		1 x 2.5" SSD Bay		
	mSATA	N/A		N/A		
	CFast	N/A		N/A		
I/O Interface	CompactFlash	N/A		N/A		
	RJ-45	4		2		
	PoE	N/A		N/A		
	Audio	1 x Mic-in 1 x Line-out		1 x Mic-in 1 x Line-out		
	USB	4 x USB 2.0 4 x USB 3.2 Gen 2		4 x USB 2.0 4 x USB 3.2 Gen 2		
	Serial	4 x COM ports COM1~4 RS-232/422/485, 0V/5V/12V		6 x COM ports COM1~4 RS-232/422/485, 0V/5V/12V COM5~6: Option by M.2 Module		
	Parallel	N/A		N/A		
	PS/2	N/A		N/A		
	GPIO	16-bit (Default 8 x GPI, 8 x GPO), 5V		16-bit (Default 8 x GPI, 8 x GPO), 5V/0.5A		
	CANbus	N/A		1 (Option by M.2 Module)		
	HDMI	4		1		
	LVDS	N/A		N/A		
	DVI	N/A		N/A		
	DisplayPort	N/A		1		
	VGA	N/A		N/A		
	Power Supply	Antenna	6 openings reserved for antennas		6 openings reserved for antennas	
DC Input		DC-in 12V~24V Wide-Range (OCP & OVP) Phoenix pluggable connectors with latch (V+, V-)		DC-in 12V~24V Wide-Range (OCP & OVP) Phoenix pluggable connectors with latch (V+, V-)		
AC Input		N/A		N/A		
Environment	IP Rating	N/A		N/A		
	Operating Temperature	0~50 °C (w/SSD) Note: Thermal w/ Airflow:0.7m/s	-20~70 °C (w/ WT devices) Note: Thermal w/ Airflow:0.7m/s	-10~50°C (w/ WT devices) Note: Thermal w/ Airflow:0.7m/s	-20~70°C (w/ WT devices) Note: Thermal w/ Airflow:0.7m/s	
	Operating Humidity	10 ~ 90%, non-condensing		10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		-20 ~ 80°C		
	Storage Humidity	10 ~ 90%, non-condensing		10 ~ 90%, non-condensing		
	Vibration	IEC61373 Category 1, Class B		IEC61373 Category 1, Class B		
Physical haracteristics	Shock	IEC61373 Category 1, Class B		IEC61373 Category 1, Class B		
	Dimensions(W x D x H)	215 x 155 x 65 mm		215 x 155 x 65 mm		
	Weight	2.25 kg		2.24 kg		
Certification	Mounting	Wall mount (STD)/DIN-rail mount(STD)/VESA mount(by BOM option)		Wall mount (STD)/DIN-rail mount(STD)/VESA mount(by BOM option)		
	EMC	FCC Class B, CE, RCM, BSMI, VCCI, UKCA, IC		CE, FCC Class A, VCCI, RCM, UKCA, BSMI		
Software Platform	Safety	BSMI		BSMI		
	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan) Linux (Support by request)		Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan) Linux (Support by request)		