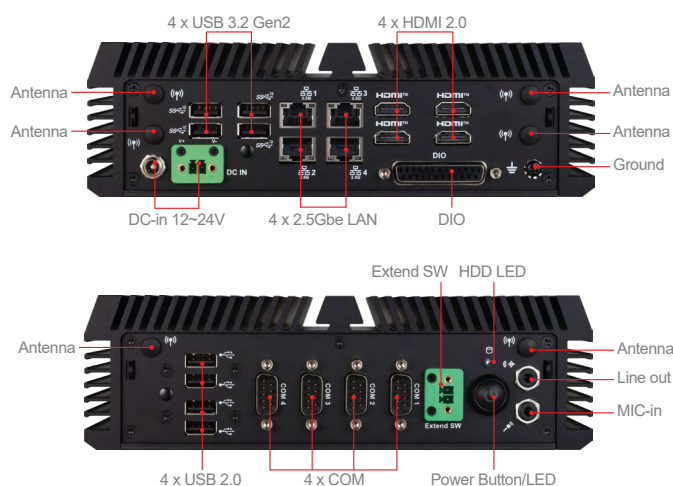


MS-C906

Compact-Size Box PC with Intel® Raptor Lake-P U Series Processor for Ultra Low-Power Fanless Solution



NEW



Features

- Intel® 13th Gen Raptor Lake-P Embedded/Industrial SKU Series
- 1 DDR5 5200 MHz SODIMM Slots up to 32GB
- Quadruple independent displays: 4 HDMI
- 4 2.5GbE LAN with RJ-45
- 1 M.2 B key (with NANO SIM-holder) support 5G/LTE, 1 M.2 E key
- 1 M.2 M key, 1 SATA 3.0 for storage (2.5" SSD)
- 4 USB 3.2 Gen 2, 4 USB 2.0, 4 COM, Audio
- Onboard TPM 2.0
- 6 opening resrved for antennas
- Anti-Vibration & Shockproof Design to Compliance IEC 61373
- Wide operating temperature: -20~70°C
- Wide Voltage DC-IN 12~24V (OCP & OVP)
- Ultra-Compact with fanless design

Ordering Information

Part Number	Description
Coming Soon	

Packing List

Part Number	Description
Coming Soon	

Specifications

System Processor	CPU	Embedded SKUs	Industrial SKUs
		Intel® Mobile 13th Gen Raptor Lake-P U Series Processors, Core™ i5-1345UE / i5-1335UE	Intel® Mobile 13th Gen Raptor Lake-P U Series Processors, Core™ i5-1345URE / i3-1315URE
Memory	Frequency	3.30 GHz~4.6 GHz (Depends on CPU)	
	L2 Cache	6M~12M (Depends on CPU)	
	CPU Type	BGA	
	Chipset	Integrated in SoC Process	
	BIOS	AMI	
Graphic	Technology	Single-channel DDR5 5200 MHz	
	Max. Capacity	Up to 32 GB	
	Socket	1 x 262-pin SO-DIMMs	
Ethernet	Controller	Intel® Iris® Xe Graphics (For i5 SKU)	Intel® UHD Graphics (For i3 SKU)
	Graphic Memory	Depends on CPU	
	Multiple Display	4 Independent displays	
Audio	Display Interface	HDMI 2.0 up to 4096 x 2340 @60Hz	
	Controller	4 x Intel® I226-LM GbE LAN	4 x Intel® I226-IT 2.5 GbE LAN
H/W Monitor	Controller	Realtek® ALC897 HD Audio Codec (Co-lay ALC888S)	
	Watchdog Timer	256-level Watchdog Timer	
TPM	Smart Fan	N/A	
	Controller	Infineon SLB9672V/U2.0/ FW15.22	Infineon SLB9672X/U2.0/ FW15.22
Expansion Slot	M.2	1 x M.2 M key (PCIe Gen4 x4 NVMe), 2280 1 x M.2 B key (PCIe x1, USB 3.2, USB 2.0, w/ NANO SIM-Holder), 2242/3042 1 x M.2 E key (PCIe x1, USB 2.0, w/CNV), 2230	
	SATA	1 x 2.5" SSD Bay	
I/O Interface	RJ-45	4	
	Audio	1 x Mic-in 1 x Line-out	
	USB	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	
	GPIO	16-bit (Default 8 x GPI, 8 x GPO), 5V/0.5A	
	HDMI	4	
	Antenna	6 openings reserved for antennas	
Power Supply	DC Input	DC-in 12V~24V Wide-Range (OCP & OVP) Phoenix pluggable connectors with latch (V+, V-)	
	AC Input	N/A	
Environment	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
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
	Vibration	IEC61373 Category 1, Class B	
	Shock	IEC61373 Category 1, Class B	
Physical characteristics	Dimensions (WxDxH)	215 x 155 x 65 mm	
	Weight	TBC	
	Mounting	Wall mount (STD)/DIN-rail mount(STD)/ VESA mount(by BOM option)	
Certification	EMC	CE, FCC Class B, VCCI, RCM, UKCA, BSMI	
	Safety	BSMI	
Software Platform	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan) Linux Ubuntu 22.04 (64-bit) (by request)	