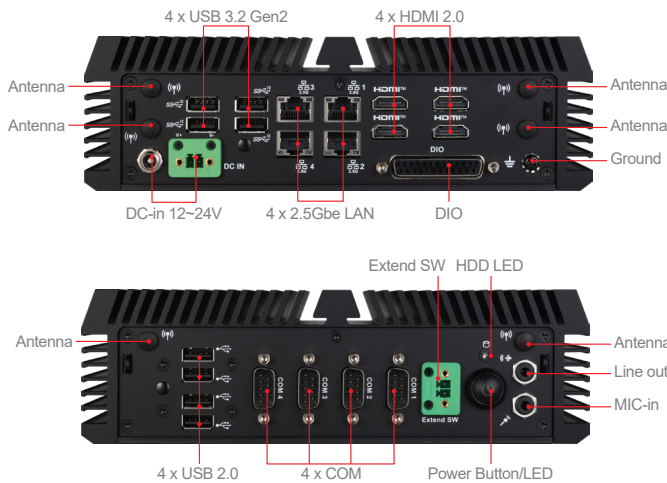


MS-C906

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 for Embedded SKUs)
- 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 Voltage DC-IN 12~24V (OCP & OVP)
- Ultra-Compact with fanless design
- Support EDID Lock Display Function

Ordering Information

Part Number	Description
936-C906-015	MS-C906/706-C906-110/826-C906-010 VER 11, Barebone, Fanless, Intel Raptor Lake-P i3-1315UE, 19V/90W ADAPTER, 1*SATA CABLE, 1*WALL MOUNT, 1*DIN-RAIL, 2*TERMINAL BLOCK, BLACK w/o LOGO msi, SINGLE 6-PACK
936-C906-016	MS-C906/706-C906-120/826-C906-011 VER 11, Barebone, Fanless, Intel Raptor Lake-P i5-1345UE, 19V/90W ADAPTER, 1*SATA CABLE, 1*WALL MOUNT, 1*DIN-RAIL, 2*TERMINAL BLOCK, BLACK w/o LOGO msi, SINGLE 6-PACK
936-C906-023	MS-C906/706-C906-160/826-C906-021 VER 11, Barebone, Fanless, Intel Raptor Lake-P i5-1335UE, 19V/90W ADAPTER, 1*SATA CABLE, 1*WALL MOUNT, 1*DIN-RAIL, 2*TERMINAL BLOCK, BLACK w/o LOGO msi, SINGLE 6-PACK For Channel
936-C906-017	MS-C906/706-C906-130/826-C906-014 VER 11, Barebone, Fanless, Intel Raptor Lake-P i3-1315UE, 1*SATA CABLE, 1*WALL MOUNT, 1*DIN-RAIL, 2*TERMINAL BLOCK, BLACK w/o LOGO msi, SINGLE 6-PACK
936-C906-018	MS-C906/706-C906-140/826-C906-015 VER 11, Barebone, Fanless, Intel Raptor Lake-P i5-1345UE, 1*SATA CABLE, 1*WALL MOUNT, 1*DIN-RAIL, 2*TERMINAL BLOCK, BLACK w/o LOGO msi, SINGLE 6-PACK

Optional Item

Part Number	Description
E22-9A95080-C22	VESA Mounting
S93-0403630-S14	Adaptor 19V/120W for Industrial SKUs

Specifications

System Processor	CPU	Embedded SKUs	Industrial SKUs
		Intel® Mobile 13th Gen Raptor Lake-P U Series Processors, Core™ i3-1315UE/i5-1335UE/i5-1345UE	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	
	Controller	Intel® UHD Graphics	
Ethernet	Graphic Memory	Depends on CPU	
	Multiple Display	4 independent displays	
	Display Interface	HDMI 2.0 up to 4096 x 2340 @60Hz	
Audio	Controller	4 x Intel® I226-LM GbE LAN	4 x Intel® I226-IT 2.5 GbE LAN
	Controller	Realtek® ALC897 HD Audio Codec (Co-layer ALC888S)	
H/W Monitor	Watchdog Timer	256-level Watchdog Timer	
TPM	Controller	Infineon SLB9672VU2.0	Infineon SLB9672XU2.0
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	
Storage	SATA	1 x 2.5" SSD Bay	N/A
	RJ-45	4	
I/O Interface	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	
	HDMI	4	
	Antenna	6 openings reserved for antennas	
	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-)	
	Operating Temperature	0 ~ 50°C (w/ 2.5" SATA SSD(Ta: 85°C)) 0 ~ 45°C (w/ M.2 NVMe SSD(Ta: 85°C)) Note: Thermal w/ Airflow:0.7m/s	-20 ~ 70°C (w/ WT M.2 NVMe SSD(Ta: 85°C), w/ WT MEM(Ta: 95°C)) Note: Thermal w/ Airflow:0.7m/s
Environment	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
	Vibration	Operating, IEC 60068-2-64: 2 Grms, random, 5 ~ 500Hz, 1hr/axis (w/ SSD) IEC61373 Category 1, Class B	
Physical characteristics	Shock	Operating, IEC 60068-2-27: 50G, half sine, 11ms (w/ SSD) IEC61373 Category 1, Class B	
	Dimensions (WxDxH)	215 x 155 x 65 mm	
	Weight	2.25 kg	
Certification	Mounting	Wall mount (STD)/DIN-rail mount(STD)/VESA mount(by BOM option)	
	EMC	FCC Class B, CE, RCM, BSMI, VCCI, UKCA, IC	
Software Platform	Safety	BSMI	
	OS Support	Windows 10 IoT Enterprise 21H2 LTSC (64-bit) Windows 11 IoT Enterprise 24H2 LTSC (64-bit) Linux (Support by request)	

Packing List

Part Number	Description	Quantity
S93-0406700-S14	Adaptor 19V/90W for Embedded SKUs	1
K1D-3011007-V03	SATA Cable with Power, 300mm for Embedded SKUs	1
E49-1303007-P65	Screw for 2.5" SSD for Embedded SKUs	4
E26-C906010-Z36	Memory Thermal PAD for Embedded SKUs	1
E27-C906020-Z36	Memory Thermal PAD for Industrial SKUs	1
E27-C906010-Z36	M.2 SSD Thermal PAD for Industrial SKUs	1
E22-9A59010-LA2	Wall Mounting Bracket	2
E49-1065009-P65	Screw for Wall Mounting	4
E25-9B01030-K23	Rubber for Wall Mounting	4
E24-9B02010-P09	DIN Rail	2
E41-1356002-P65	Screw for DIN Rail	4
NA1-1020141-SR2	Phoenix Terminal Plugged	2