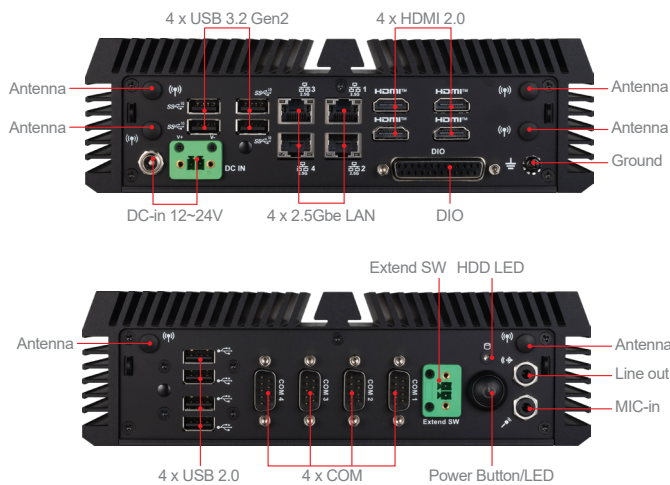


# MS-C906

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 i3-1315URE, 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 i5-1345URE, 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/90W 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<br>1 x M.2 B key (PCIe x1, USB 2.0, w/NANO SIM-Holder), 2242/3042<br>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<br>1 x Line-out                                                                                                                                 |                                                                                                   |
|                          | USB                   | 4 x USB 2.0<br>4 x USB 3.2 Gen 2                                                                                                                           |                                                                                                   |
|                          | Serial                | 4 x COM ports<br>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)<br>Phoenix pluggable connectors with latch (V+, V-)                                                                   |                                                                                                   |
|                          | Operating Temperature | 0 ~ 50°C (w/ 2.5" SATA SSD(Ta: 85°C))<br>0 ~ 45°C (w/ M.2 NVMe SSD(Ta: 85°C))<br>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))<br>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)<br>IEC61373 Category 1, Class B                                                    |                                                                                                   |
| Physical characteristics | Shock                 | Operating, IEC 60068-2-27: 50G, half sine, 11ms (w/ SSD)<br>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)/<br>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)<br>Windows 11 IoT Enterprise 24H2 LTSC (64-bit)<br>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        |

MSI reserves the right to change the specifications without prior notices.