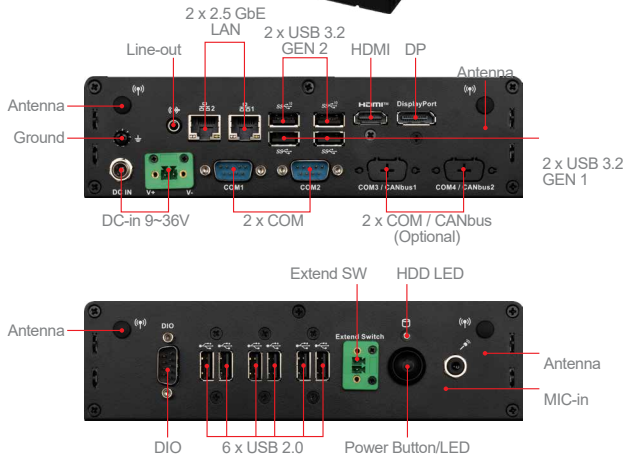


# MS-C907

Compact-Size Box PC with Intel® IOTG Alder Lake-N Processor for Ultra Low-Power Fanless Solution

NEW



## Features

- Intel® Alder Lake-N PC Client Series SoC
- DDR5 4800 MHz SODIMM Slot up to 16GB
- Dual independent displays: DP, HDMI
- 2 2.5 GbE LAN with RJ-45
- 1 M.2 B Key, 1 M.2 E Key Slot
- SATA 3.0 for storage (2.5" SSD/HDD)
- 2 USB 3.2 Gen 2, 2 USB 3.2 Gen 1, 6 USB 2.0, 2 COM (1 RS-485), GPIO, Audio
- 2 COM or 2 CANbus (Option by M.2 Module)
- 4 opening reserved for antennas
- Anti-Vibration & Shockproof Design to Compliance IEC 61373
- Wide Voltage DC-IN 9~36V
- Ultra-Compact with fanless design

## Ordering Information

Part Number	Description
936-C907-001	MS-C907/706-C907-010/826-C907-007 10 STD, Intel Alder Lake-N N97, HDMI, DP, COM*2, USB3.2*4, USB2.0*6, DUAL INTEL 2.5GbE LAN, DIO, MIC-In, Line-out, ROHS, SINGLE, W/O MSI LOGO,
936-C907-002	MS-C907/706-C907-020/826-C907-008 10 OPT-A, Intel Alder Lake-N Core i3-N305, HDMI, DP, COM*2, USB3.2*4, USB2.0*6, DUAL INTEL 2.5GbE LAN, DIO, MIC-In, Line-out, ROHS, SINGLE, W/O MSI LOGO,

## Packing List

Part Number	Description	Quantity
S93-0401780-S14	Adaptor (19V/65W)	1
K1D-1012115-V03	SATA Cable with Power, 230mm	1
NA1-1020141-SR2	Phoenix Terminal Plugged	2
E22-9A69040-815	Wall Mounting Bracket	2
E24-9B02010-P09	DIN Rail	2
E41-1356002-P65	Screw for DIN Rail	4

## Optional Item

Part Number	Description
E22-9A95080-C22	VESA Mounting

## Specifications

<b>System Processor</b>	CPU	Intel® IOTG Alder Lake-N Processor N97, QC, 12W	Intel® IOTG Alder Lake-N Core i3-N305, OC, 12W up to 15W
	Frequency	2 GHz, up to 3.6 GHz	
	L2 Cache	6MB	
	CPU Type	BGA	
	Chipset	Integrated in SoC Process	
<b>Memory</b>	BIOS	AMI	
	Technology	Single Channel DDR5 4800 MHz	
	Max. Capacity	Up to 16GB	
	Socket	1 x 262-pin SO-DIMM	
<b>Display</b>	Controller	Intel® UHD Graphics	
	Graphic Memory	Depends on CPU	
	Multiple Display	2 independent displays	
<b>Ethernet</b>	Display Interface	HDMI up to 3840 x 2160 @30Hz DP up to 4096 x 2304 @60Hz	
	Controller	2 x Intel® I225-V 2.5 GbE LAN	
<b>Audio</b>	Controller	Realtek® ALC897 HD Audio Codec	
	Watchdog Timer	256-level Watchdog Timer	
<b>H/W Monitor</b>	Smart Fan	N/A	
	Controller	Infineon SLB9672VU2.0	
<b>TPM Expansion Slot</b>	M.2	1 x M.2 B key (SATA/PCIe x1), 2242/3042/2280 1 x M.2 E key (PCIe x1, USB 2.0), 2230	
	SATA	1 x 2.5" HDD/SSD Bay	
<b>Storage</b>	mSATA	N/A	
	CFast	N/A	
	CompactFlash	N/A	
	RJ-45	2	
<b>I/O Interface</b>	PoE	N/A	
	Audio	1 x Line-out 1 x Mic-in	
	USB	6 x USB 2.0 2 x USB 3.2 Gen 2 2 x USB 3.2 Gen 1	
	Serial	4 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2: RS-232 COM3~4: Option by M.2 Module	
	Parallel	N/A	
	PS/2	N/A	
	GPIO	8-bit (4*GPI; 4*GPO), 5V	
	CANbus	2 (Option by M.2 Module)	
	HDMI	1	
	LVDS	N/A	
	DVI	N/A	
	DisplayPort	1	
VGA	N/A		
Antenna	4 openings reserved for antennas		
<b>Power Supply</b>	DC Input	DC-in 9~36V with Lockable DC Jack Phoenix pluggable connectors with latch (V+, V-)	
	AC Input	N/A	
	IP Rating	N/A	
<b>Environment</b>	Operating Temperature	-10 ~ 40°C -10 ~ 55°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	
<b>Form Factor</b>	Dimensions (W x D x H)	200 x 150 x 55 mm	
	Weight	1.38 kg	
	Mounting	Wall mount (STD)/DIN-rail mount(STD)/VESA mount (by option)	
<b>Certification</b>	EMC	CE, FCC, RCM, VCCI, BSMI, UKCA, IC	
	Safety	BSMI	
<b>Software Platform</b>	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan) Linux (Support by request)	