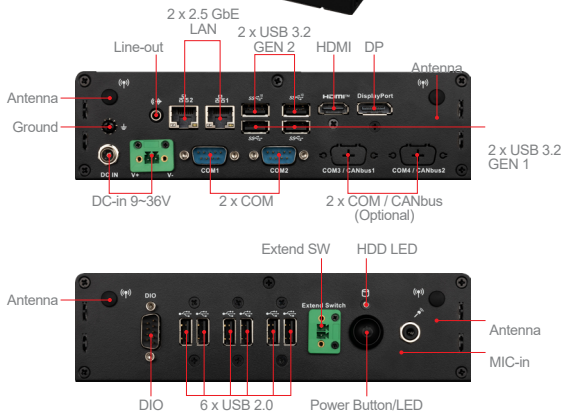


MS-C907

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



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-C907-006	MS-C907/706-C907-010/826-C907-013 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-C907-007	MS-C907/706-C907-020/826-C907-014 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
936-C907-008	"MS-C907/706-C907-010/826-C907-015, 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/ USA POWER CORD, W/O MSI LOGO,
936-C907-009	"MS-C907/706-C907-020/826-C907-016, 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/ USA POWER CORD, 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
E31-0005930-K08	M.2 SSD Heat Spreader	1
E26-C907020-Z36	M.2 SSD Thermal Pad	1
E26-C907020-Z36	M.2 SSD Thermal Pad	1

Specifications

System Processor	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	1.8 GHz, up to 3.8 GHz
	L2 Cache	6MB	
	CPU Type	BGA	
	Chipset	Integrated in SoC Process	
Memory	BIOS	AMI	
	Technology	Single Channel DDR5 4800 MHz	
	Max. Capacity	Up to 16GB	
Display	Socket	1 x 262-pin SO-DIMM	
	Controller	Intel® UHD Graphics	
	Graphic Memory	Depends on CPU	
	Multiple Display	2 independent displays	
Ethernet	Display Interface	HDMI up to 3840 x 2160 @30Hz DP up to 4096 x 2304 @60Hz	
	Controller	2 x Intel® I226-V 2.5 GbE LAN	
Audio	Controller	Realtek® ALC897 HD Audio Codec	
	Watchdog Timer	256-level Watchdog Timer	
H/W Monitor	Smart Fan	N/A	
	Controller	Infineon SLB9672VU2.0	
TPM Expansion Slot	M.2	1 x M.2 B key (SATA/PCIe x1), 2242/3042/2280 1 x M.2 E key (PCIe x1, USB x1, 2230)	
	SATA	1 x 2.5" HDD/SSD Bay	
Storage	mSATA	N/A	
	CFast	N/A	
	CompactFlash	N/A	
	RJ-45	2	
I/O Interface	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*GPIO; 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	
Power Supply	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	
Environment	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	
Form Factor	Shock	IEC61373 Category 1, Class B	
	Dimensions (W x D x H)	200 x 150 x 55 mm	
	Weight	1.38 kg	
Certification	Mounting	Wall mount (STD)/DIN-rail mount(STD)/VESA mount (by option)	
	EMC	CE, FCC, RCM, VCCI, BSMI, UKCA, IC	
Software Platform	Safety	BSMI	
	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise 24H2 LTSC (64-bit) Linux (Support by request)	

Optional Item

Part Number	Description
E22-9A95080-C22	VESA Mounting