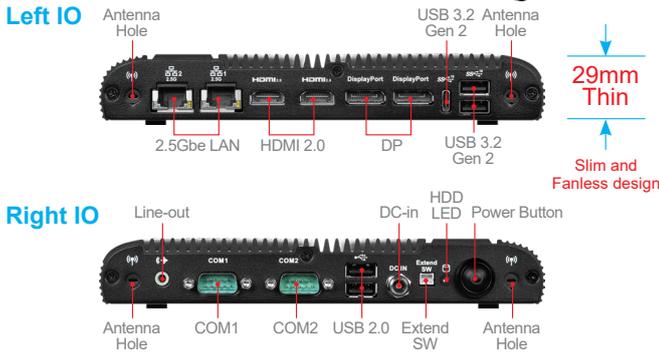# MS-C902

Slim Fanless Box PC with Intel® Alder Lake-P/Raptor Lake-P Platform U-Series, High Performance & Low-Power for 4K2K Digital Signage, KIOSK, Automation & AIoT Edge Computer

intel CORE i3 | intel CORE i5 | intel IRISxe GRAPHICS | OpenVINO™

Left IO

Antenna Hole — USB 3.2 Gen 2 — Antenna Hole

2.5Gbe LAN — HDMI 2.0 — DP — USB 3.2 Gen 2

29mm Thin

Slim and Fanless design

Right IO

Line-out — DC-in — HDD LED — Power Button

Antenna Hole — COM1 — COM2 — USB 2.0 — Extend SW — Antenna Hole

Features

- Intel® 13th Gen Raptor Lake-P U-series
- Intel® 12th Gen Alder Lake-P U-series
- 2 DDR4 3200 MHz SODIMM slots up to 64GB
- Quadruple independent displays: 2 HDMI, 2 DP
- 2 2.5GbE LAN with RJ-45
- 1 M.2 B key (with NANO SIM-holder), 1 M.2 E key
- 1 M.2 M key, 1 SATA 3.0 (2.5" SSD, 7mm) for storage
- 3 USB 3.2 Gen 2, 2 USB 2.0, 2 COM, Line-out
- Onboard TPM 2.0
- Easy access all on bottom side for 2 Memory, 3 M.2, 2.5"SSD
- Cableless design with proprietary board
- DC-IN 19V
- Slim & fanless design with thinness 29mm

Ordering Information

Part Number	Description
936-C902-001	MS-C902 VER 1.0, WINDBOX, Barebone, Fanless, Intel Alder Lake i5-1235U, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD USA
936-C902-002	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Alder Lake i5-1235U, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD EU
936-C902-003	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Alder Lake i5-1245UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD USA
936-C902-004	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Alder Lake i5-1245UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD EU
936-C902-005	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Alder Lake i3-1215UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD USA
936-C902-006	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Alder Lake i3-1215UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD EU
936-C902-008	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Raptor Lake-P i5-1335UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD USA
936-C902-009	MS-C902 VER 1.0 WINDBOX, Barebone, Fanless, Intel Raptor Lake-P i5-1335UE, LOGO msi, BLACK, 2*ANTENNA, VESA MOUNT, POWER CORD EU

Specifications

System Processor	CPU	Intel® 12th Gen Alder Lake-P U Series Processors, Core™ i5-1245UE/i5-1235U/i3-1215UE, 15W Intel® 13th Gen Raptor Lake-P U Series Processors, Core™ i5-1335UE, 15W
	Frequency	1.3 GHz~4.5 GHz (Depends on CPU)
	L2 Cache	8MB~12MB (Depends on CPU)
	CPU Type	BGA
	Chipset	Integrated
	BIOS	AMI
Memory	Technology	Dual-channel DDR4 3200 MHz
	Max. Capacity	Up to 64GB
	Socket	2 x 260-pin SO-DIMMs
Graphic	Controller	Intel® Iris® Xe Graphics (For i5 SKUs) Intel® UHD Graphics (For i3/Celeron SKUs)
	Graphic Memory	Depends on CPU
	Multiple Display	4 independent displays
	Display Interface	HDMI 2.0 up to 4096 x 2304 @60Hz DP up to to 7680 x 4320 @60Hz
Ethernet	Controller	2 x Intel® I226-LM 2.5 GbE LAN
Audio	Controller	Realtek® ALC897 HD Audio Codec (Co-lay ALC888S)
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
TPM	Controller	Infineon SLB9670VQ 2.0
Expansion Slot	M.2	1 x M.2 M key (PCIe Gen4 x4 NVMe, SATA 3.0), 2242/2280 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), 2230
Storage	SATA	1 x 2.5" SSD (7mm)
I/O Interface	RJ-45	2
	Audio	1 x Line-out (Mic-in by AP driver)
	USB	2 x USB 3.2 Gen2, Type-A 1 x USB 3.2 Gen2, Type-C 2 x USB 2.0, Type-A
	Serial	2 x COM ports COM1/2: RS-232/422/485, 0V/5V/12V
	HDMI	2
	DisplayPort	2
	Antenna	4 openings reserved for antennas
Power Supply	DC Input	DC-in 19V with Lockable DC Jack
	IP Rating	Full IP40
Environment	Operating Temperature	-10 ~ 50°C (SSD) Note: Thermal Test w/ Airflow:0.7m/s
	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, 5 ~ 500 Hz, 1hr/axis (w/ SSD)
	Shock	Operating: IEC 60068-2-27: 50G, half sine, 11ms (w/ SSD)
Physical Characteristics	Dimensions (W x D x H)	196 x 285 x 29mm
	Weight	2.24 kg
	Mounting	VESA/Wall mount
Certification	EMC	FCC Class B, CE, RCM, BSMI, VCCI, UKCA, IC
	Safety	BSMI
Software Platform	OS Support	Windows 10 IoT Enterprise 21H2 LTSC (64-Bit) Windows 11 IoT Enterprise 24H2 LTSC (64-Bit) (Only Raptor Lake-P CPU has been verified) Linux (Support by request)

Packing List

Part Number	Description	Quantity
S93-0406700-S14	Adaptor 19V/90W	1
K33-3001020-I45 K33-3001021-I45	Power Cord, USA, 1800mm Power Cord, EU, 1800mm	1
E22-9A95080-C22	VESA Mounting Bracket	1
E41-1406003-P65	VESA Mounting Screw	4
E43-1304047-P65	2.5" HDD/SSD Screw	2
S79-0000360-V03	ANTENNA	2

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