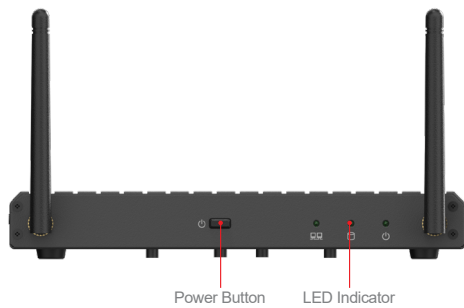
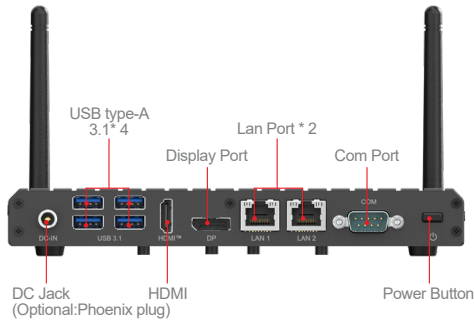
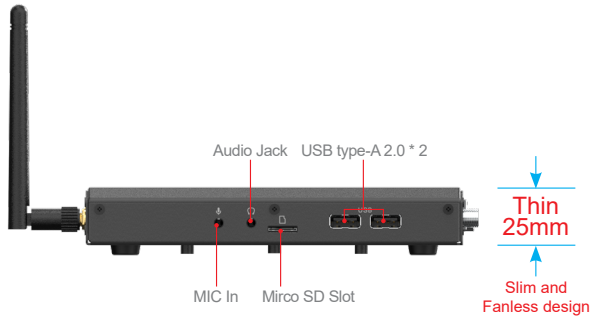


# MS-1P17

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

NEW



## Specifications

<b>System Processor</b>	CPU	Intel® IOTG Alder Lake-N Processor N97, QC, 12W	Intel® IOTG Alder Lake-N Atom® X7425E, QC, 12W	Intel® IOTG Alder Lake-N Core i3-N305, OC, to 15W	
	Frequency	2 GHz, up to 3.6 GHz	3.4 GHz	1.8 GHz, up to 3.8 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 16 GB			
<b>Graphics</b>	Socket	1 x 262-pin SO-DIMM			
	Controller	Intel® UHD Graphics			
	Graphic Memory	Depends on CPU			
<b>Ethernet</b>	Multiple Display	2 independent displays			
	Display Interface	HDMI up to 3840 x 2160 @30Hz DP up to 4096 x 2304 @60Hz			
<b>Audio</b>	Controller	2 x Intel® I225-V 2.5 GbE LAN			
	Controller	Realtek® ALC256 HD Audio Codec			
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer			
	Smart Fan	N/A			
<b>TPM</b>	Controller	Infineon SLB9672VU2.0			
<b>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			
	RJ-45	2 x 2.5GbE LAN			
<b>I/O Interface</b>	PoE	N/A			
	Audio	1 x Line-out 1 x Mic-in			
	USB	4 x USB 3.1 2 x USB 2.0			
	Serial	1 x COM port COM1: RS-232/422/485, 0V/5V/12V			
	GPIO	N/A			
	HDMI	1			
	DisplayPort	1			
	Antenna	2 openings reserved for antennas			
	<b>Environment</b>	Operating Temperature	0~40 °C		
		Operating Humidity	10 ~ 90%, non-condensing		
Storage Temperature		-20 ~ 80 °C			
<b>Power Supply</b>	Storage Humidity	10 ~ 90%, non-condensing			
	DC Input	DC-IN 12~24V with Lockable DC Jack			
<b>Physical Characteristics</b>	Dimensions (W x D x H)	197 x 162.8 x 25 mm			
	Weight	0.91 kg			
	Mounting	Stand/VESA mount (by BOM option)			
	EMC	CE, FCC, RCM, VCCI, BSMI, UKCA			
<b>Certification</b>	Safety	BSMI			
	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2) Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan) Linux (Support by request)			

\* SD card reader X 1

## 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
- 4 USB 3.1, 2 USB 2.0, 2 COM (1 RS-485), Audio
- 2 opening reserved for antennas
- DC-IN 12~24V
- Ultra Slim with fanless design

## Accessories



Stand  
Dimension: 199.8 x 64 x 28 mm  
Material: ABS+PC