K105

Intel ALDER LAKE Platform Mini PC

JWIPC K105 is a cost-efficient, versatile Intel-based fanless Mini PC designed for office operation and industrial application, an ideal Digital Signage, KIOSK and Bank Information Release solution.

- Based on Intel Alder Lake Platform with fanless design
- Support dual channel DDR4 memory
- Support 1 x M.2 Key M 2242/2280 SATA/NVMe interface
- Support 1 x 2.5'' SATA Interface
- Support 2 x HDMI Display port, 1 x DP display port
- Support WIFI6、4G/5G extension
- Support 2 x 1000M Ethernet RJ45 port
- Support 2 x USB3.1, 4 x USB2.0
- Support 2 x RS232 COM port
- Support TPM2.0 security encryption module
- Support Windows11/Linux OS

01 Specifications

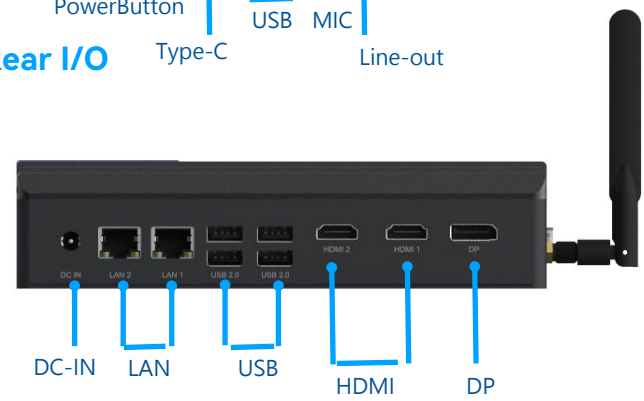
Processor System	CPU	Intel® Alder Lake Processoer I3-1215U Max. TDP=15w
	Chipset	SOC
	BIOS	AMI UEFI BIOS
Graphics	Graphic card	Intel® Iris® Xe Graphics
	Multi displays	Support Three displays
	Interface	2 x HDMI2.0 4K60Hz, 1 x DP1.4 8K30Hz output
Memory	Type	Dual Channel So DIMM DDR4, Max. 3200MHz, With 8GB DDR4 MEMORY
	Max	32 GB
Ethernet	Lan IC	2 x RTL8111H
	Interface	10/100/1000Mbps
	Connector	2 x RJ45
Wireless	Type	Wi-Fi/BT module
	Interface	1 x M.2 Key E 2230 slot
4G/5G	Type	4G/5G Mobile network
	Interface	1 x M.2 slot for 3042/3052 size 4G/5G module card
Storage	Type	SATA/NVMe SSD
	Interface	1 x M.2 Key M slot for 2242/2280 size SSD, with 128GB SSD
	Type	SATA
	Interface	1 x 2.5'' SATA Interface
IO Interface	Front panel	1 x PowerButton 2 x USB3.1, 1 x Type-C (USB3.1) 1 x MIC IN, 1 x Line out
	Rear panel	2 x RJ45, 4 x USB2.0, 2 x HDMI, 1 x DP1.4, 1 x 2.5/5.5 DC-IN Connector
Software	OS Supports	Windows11/Linux
	Watchdog	Support
	vPro/AMT	No support
	TPM	Physical TPM2.0 chip
Power	Power input	12-19v 2.5/5.5 DC-In
Size	Dimension	190(L) x 148(W) x 45(H) mm
Environment	Operating Temp.	-5~45℃
	Operating Humidity	10%~90% non-condensing
	Storage Temp.	-20~70℃
	Operating Humidity	5%~95% non-condensing

Product view

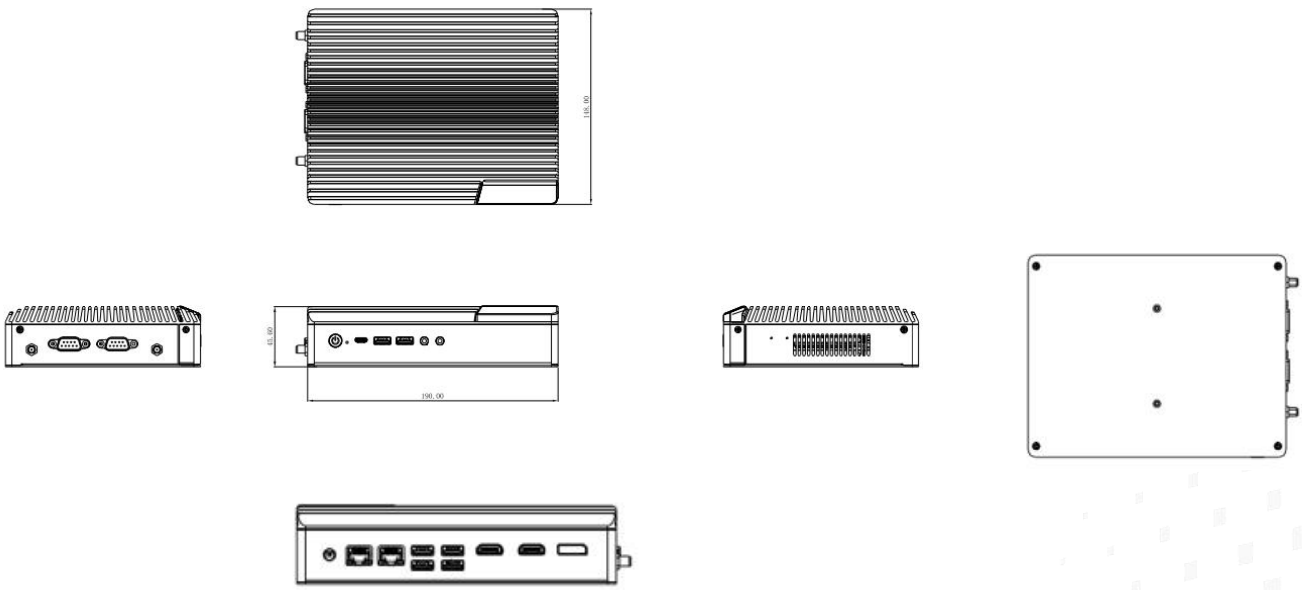
Front I/O

Left side I/O

Rear I/O



Dimensions



Ordering Information

Model	Description
K105	Intel I3-1215U/2* DDR4/2* RJ45/2* HDMI+1* DP/1* M.2 KeyM SSD/1* 2.5'' SATA Interface /4* USB2.0+2*USB3.1+ 1* Type-C