

S109_V7



- Metal body with oxidized and CNC engraved surface, copper fan cooler
- Support Intel Core 8/10/11-U series processors
- Dual-channel DDR4 memory expansion, up to 64GB expansion
- HDMI2.0 interface, 1 Mini DP interface, 4K@60HZ display
- Intel 2.5G network, single and dual network options; expandable WIFI, built-in antenna

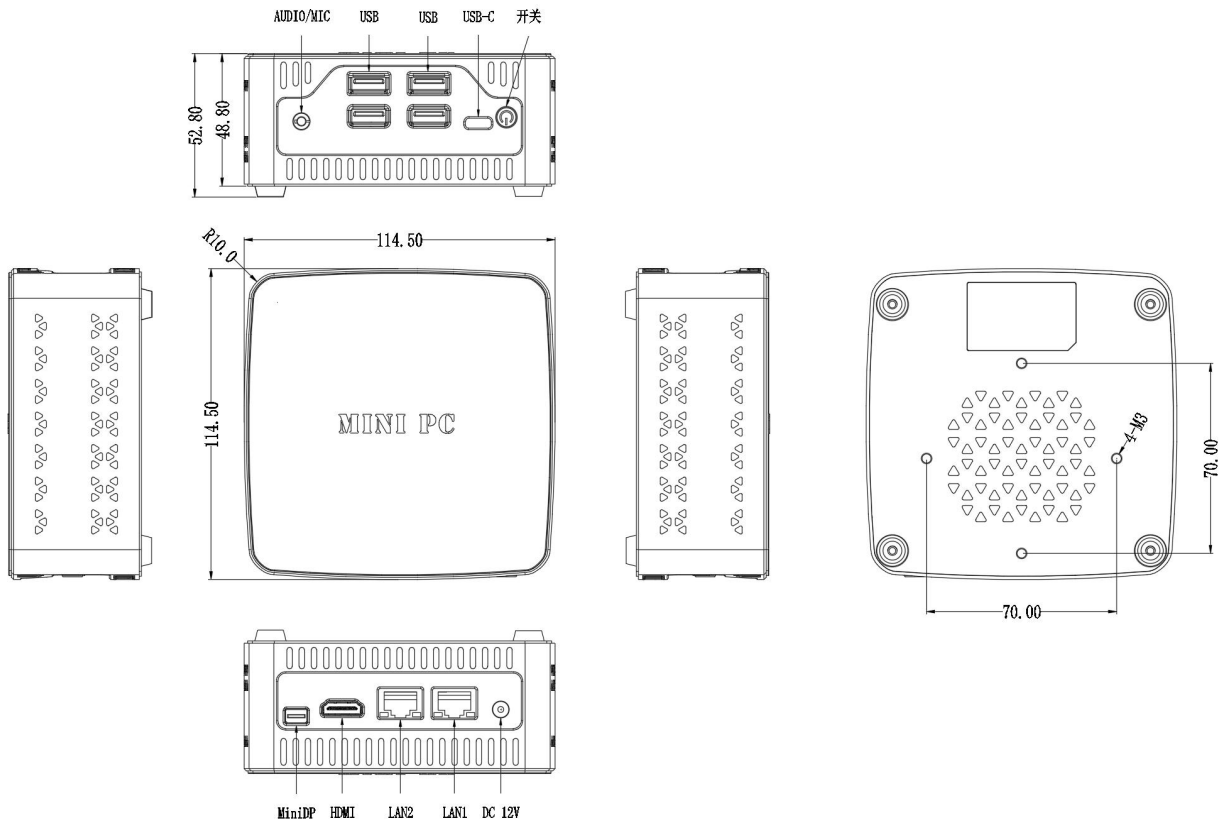


Specifications

MODEL	S109_V7		
Support OS	Windows 10-11, Linux		
CPU	Model	Intel Core 8/10/11-U series processors	
RAM	DDR4	2x DDR4 SODIMMs, expandable up to 64GB	
Chipset	Type	Intel 600 & 700 Series	
Storage Devices	M2	1x M.2 2242 (support PCIe x2 NVMe or SATA protocol, choose one of the two)	
	SATA	1x 2.5-inch SATA3.0 hard drive can be expanded	
Graphics	Type	Intel® Iris® Xe Graphics	
LAN	Type	Intel 2.5G network card, with single or dual network options	
Audio	Type	Audio x 2 in 1	
I/O INTERFACE	WLAN	Optional WIFI/BT, 4G module long card, built-in antenna	
	Ethernet	2 x RJ 45 Lan Port 2,5gb	
	USB	2 x USB 3.1 & 2 x USB 2.0 & 1 x USB-C	
	Video & Audio	1 x HDMI 2.0 4k@60hz	1 x Mini DP 4k@60hz
		1 x Mic-in	1 x Spk-out
	Other	1 x On/Off Power switch	Watch Dog Yes
Power supply	DC 12V, 150W external Power Supply		
Environment	Operating Temperature	0°C ~ 50°C	
	Relative Humidity	30% RH – 98% RH	
Physical Characteristics	Material	Metal Body with oxidized and Cnc Engraved Surface	
	Mounting	VESA Mounting Bracket	
	Cooling	Copper fan Controller	
	Dimensions	114.5(L) x 114.52(W) x 53(H)mm	
	Net Weight	1.2 Kg	
Regulation	EMC	FCC, CE, RoHS	

Dimension

Unit:mm



Processors Info & Available List

CPU	Total Cores	Total Threads	Max Turbo Frequency	Processor Base Frequency	Cache	Bus Speed	TDP	Memory Types	
Intel® Core™ i3-8145U	Whiskey Lake	2	4	3.90 GHz	2.10 GHz	4 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i5-8265U	Whiskey Lake	4	8	3.90 GHz	1.60 GHz	6 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i7-8565U	Whiskey Lake	4	8	4.60 GHz	1.80 GHz	8 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i5-1135G7	Tiger Lake	4	8	4.20 GHz	2.40 GHz	8 MB Intel® Smart Cache	12-28W	DDR4	Intel® Iris Xe Graphics; 80Eus
Intel® Core™ i7-1165G7	Tiger Lake	4	8	4.70 GHz	2.80 GHz	12 MB Intel® Smart Cache	12-28W	DDR4	Intel® Iris Xe Graphics; 96Eus

Ordering Information

SO-DIMM DDR4	M.2 (x2 NVME) 2242	HDMI 2.0	MINI DP	LAN (Intel i226-V)	USB 3.1	UCB C	PCIe
2	1	1	1	2	2	1	
Fan	TMP2.0	M.2 E-Key	M.2 B-Key	SATA 2 Card	Internal SIM card Slot	Power Supply	
1	Optional					DC 12-19V150W	

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