

# ST-CWFS-5L v1.0

Intel® 12<sup>th</sup> Gen Alder Lake-N N95/N100/N200/N305 Processors



**Main Features**

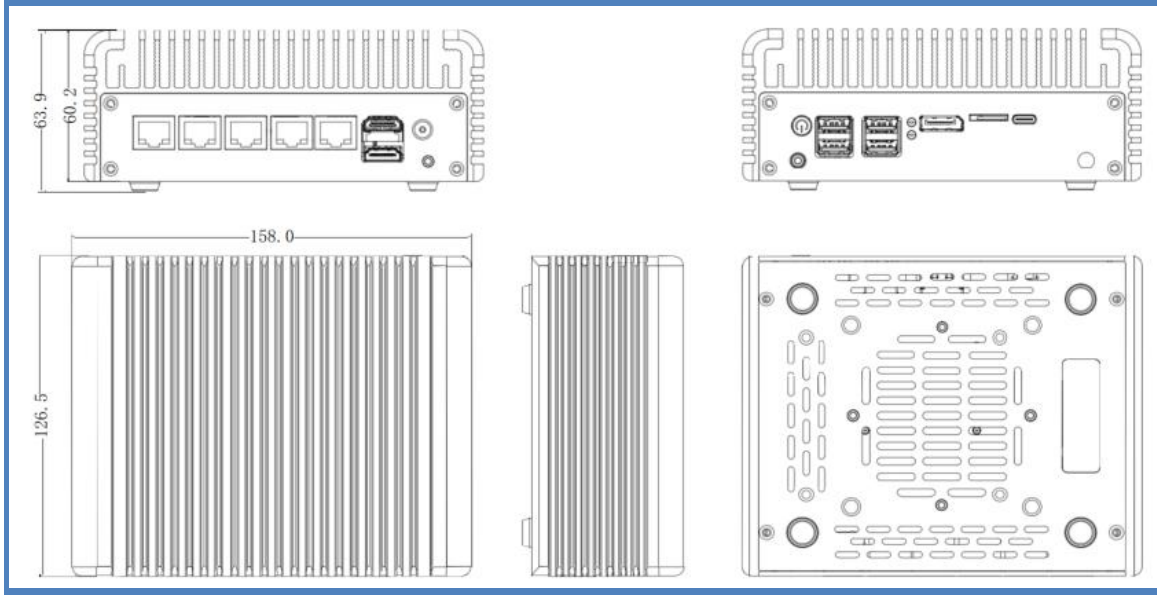
- Aluminum Alloy ; Passive Cooling
- Intel N95/N100/N200/N305 CPUs
- 1x DDR5 RAM slot, up to 32GB
- 2x SATA3.0 + 1x M.2 NVMe X1
- 5x 2.5GbE Ports (RJ45)
- HDMI+DP+Type\_C 4K Display
- 1xTPM ; 1x TF slot
- 1x M.2 (Wifi&BT module)
- 4x USB2.0
- DC\_12V Power Input

**Specification :**

Model NO.	ST-CWFS-5L V1.0 (N100)	
<b>Chassis</b>	Structure	All Aluminum Alloy ; Passive Cooling (Fanless)
	Dimension	158mm*125.2mm*63.9mm
	Color	Dark Black / Gray
	Installation	VESA_mount / Desktop
<b>Motherboard</b>	Processor	Intel® 12 <sup>th</sup> Gen Alder Lake-N Series N95/N100/N200/i3-N305 Processors
	Chipset	Intel SoC
	Graphics	Integrated Intel UHD Graphics (according to CPU)
	Memory	1x SO-DIMM slot,4800MHz DDR5 Memory , up to 32GB
<b>Front Panel</b>	Switch	1x Power switch
	LED	1x Power.LED ; 1x HDD.LED
	Display	1x DP 1.4 (4096*2160 @60Hz) ; 1x Type-C (4096*2160 @60Hz)
	USB	4x USB2.0
	Antennas	2x Wifi&BT Antenna holes
	Expansion	1x TF card slot
<b>Rear Panel</b>	Ethernet	5x RJ45 2.5GbE ports (Intel I226V 2.5G Ethernet Controller), support Wake_on_LAN/PXE
	Display	2x HDMI2.1 (4096*2160 @60Hz)
	DC_Jack	1x DC_12V Power Jack (55*25)
<b>Storage</b>	SATA	2x SATA3.0, support 1x 2.5" HDD (2*2.5" HDD optional)
	M.2	1x M.2 Key_M slot, support 2242/2280 NVMe SSD
<b>Expansion</b>	M.2	1x M.2 Key_E slot, support M.2 2230/2242 Wifi&BT module
	Inner_I/O	1x RS232(2*5pin) ; 1x TPM (AUSU standard)
<b>OS Support</b>	System	Windows / Linux OS etc.
	BIOS	64Mb Flash ROM
	Watch Dog	Hardware reset function (L256, 0~255 seconds)
<b>Power Supply</b>	Power Adaptor	DC_12V 5A input

<b>Reliability</b>	Working Temp.	-10°C ~ 60°C
	Storage Temp.	-20°C ~ 70°C
	Relative Humidity	5%-95% relative humidity, non-condensing
	Working Vibration	0.5g rms/5-500HZ/random/operating

**Drawing:**



**ST-CWFS-5L Ordering info:**

No.	Model	Processor	RAM	Display	Ethernet	Wif&BT	Auto_Boot	Console	USB	TF	TPM	Storage	power
1	ST-CWFS-5L V1.0 (N95)	N95 (3.4G / 4+4)	1x DDR5	DP+HDM I+Type-C	5x 2.5GbE	Yes	Yes	N/A	4	1	Yes	SATA + M.2	DC_12V
2	ST-CWFS-5L V1.0 (N100)	N100 (3.4G / 4+4)	1x DDR5	DP+HDM I+Type-C	5x 2.5GbE	Yes	Yes	N/A	4	1	Yes	SATA + M.2	DC_12V
3	ST-CWFS-5L V1.0 (N200)	N200 (3.7G / 4+4)	1x DDR5	DP+HDM I+Type-C	5x 2.5GbE	Yes	Yes	N/A	4	1	Yes	SATA + M.2	DC_12V
4	ST-CWFS-5L V1.0 (N305)	i3-N305 (3.8G / 8+8)	1x DDR5	DP+HDM I+Type-C	5x 2.5GbE	Yes	Yes	N/A	4	1	Yes	SATA + M.2	DC_12V