

ST-AD12N-6S V1.0

Intel® 12th Gen Alder Lake-N N97/N100/N200/N305 Processors



Main Features

- Aluminum Alloy ; Active Cooling
- Intel N97/N100/N200/N305 CPUs
- 1x DDR5 RAM slot, up to 32GB
- 1x SATA3.0 + 1x M.2 NVMe X1 + 1x TF slot
- 4x 2.5GbE RJ45 + 2x SFP+ (10Gb)
- DP+HDMI+Type_C Triple Display
- 1x Mini-PCIe for 4G LTE
- 1x SIM slot
- 5x USB2.0 ; 1x USB3.0
- DC_12V Power Input

Specification :

Model NO.	ST-AD12N-6S V1.0	
Chassis	Structure	All Aluminum Alloy ; Active Cooling (with Fan)
	Dimension	155mm*131.7mm*60mm
	Color	Dark Black / Gray
	Installation	Desktop
Motherboard	Processor	Intel® 12 th Gen Alder Lake-N Series N97/N100/N200/i3-N305 Processors
	Chipset	Intel SoC
	Graphics	Integrated Intel UHD Graphics (according to CPU)
	Memory	1x SO-DIMM slot, 4800/5200/5600MHz DDR5 Memory, up to 32GB
Front Panel	Switch	1x Power switch ; 1x Reset
	Display	1x DP1.2 (4096*2160 @60Hz) ; 1x HDMI2.0 (4096*2160 @60Hz) ; 1x Type_C (4096*2160 @60Hz)
	USB	3x USB2.0 ; 1x USB3.0
	Slot	1x TF card slot ; 1x SIM slot
	Audio	1x Audio (Line_out)
	Antennas	2x 4G LTE/Wifi&BT Antenna holes
Rear Panel	Ethernet	4x RJ45 2.5GbE ports (Intel I226V 2.5G Ethernet Controller), support Wake_on_LAN/PXE 2x 10Gb SFP+ ports (Intel 82599ES Ethernet Controller)
	Indicator	1x Power.LED ; 1x HDD.LED
	USB	2x USB2.0
	DC_Jack	1x DC_12V Power Jack (55*25)
Storage	SATA	1x SATA3.0, support 1x 2.5" HDD
	TF	1x TF card slot
	M.2	1x M.2 Key_M slot, support 2242/2280 NVMe X1 SSD
Inner_I/O	Inner_I/O	1x RS232(2*5pin) ; 1x TPM ; 2x USB2.0 ; 1x GPIO
OS Support	System	Windows / Linux OS etc.
	BIOS	AMI 64Mb Flash ROM

	Watch Dog	Hardware reset function (L256, 0~255 seconds)
Power Supply	Power Adaptor	DC_12V 5A input
Reliability	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-AD12N-6S Ordering info:

No.	Model	Processor	RAM	Display	Ethernet	SFP+	Auto_Boot	4G LTE Wif&BT	USB	SIM	TPM	Storage	power
1	ST-AD12N-6S V1.0 (N97)	N97 (3.4G / 4+4)	1x DDR5	DP+HDMI +Type-C	4x 2.5GbE	2x 10GB	Yes	Yes	6	1	1	SATA + M.2 + TF	DC_12V
2	ST-AD12N-6S V1.0 (N100)	N100 (3.4G / 4+4)	1x DDR5	DP+HDMI +Type-C	4x 2.5GbE	2x 10GB	Yes	Yes	6	1	1	SATA + M.2 + TF	DC_12V
3	ST-AD12N-6S V1.0 (N200)	N200 (3.7G / 4+4)	1x DDR5	DP+HDMI +Type-C	4x 2.5GbE	2x 10GB	Yes	Yes	6	1	1	SATA + M.2 + TF	DC_12V
4	ST-AD12N-6S V1.0 (N305)	i3-N305 (3.8G / 8+8)	1x DDR5	DP+HDMI +Type-C	4x 2.5GbE	2x 10GB	Yes	Yes	6	1	1	SATA + M.2 + TF	DC_12V