

NSA 5190

1U Rackmount Appliance with 12th Gen Intel® Core™ Processor,
2 x 1GbE RJ45 Ports, and 4 x LAN Module Slots



Main Features

- 12th Gen Intel® Core™ processor
- 4 x DDR4 2666/3200 non-ECC/ECC UDIMM, up to 128GB
- 1 x M.2 2280 Key M (SATA)
- 1 x TPM module
- 1 x PCIe 4 x4 connector for low profile riser card
- 2 x 1GbE RJ45 ports
- 4 x LAN module slots

Product Overview

NSA 5190 is a 1U rackmount appliance with the newest Intel® Core™ processor and latest PCIe 4.0 interface. It is capable of managing heavy workloads without overloading the CPU and proceeding with big data volumes in a shorter time. NSA 5190 is a modular, flexible network solution, which will ideally fit into SD-WAN, web monitoring, load balancing, and network virtualization deployments.

Specifications

Main Board

- 12th Gen Intel® Core™ Processor, formerly Alder Lake, max 125W
- PCH: R680E

Main Memory

- 4 x DDR4 2666/3200 non-ECC/ECC UDIMM with up to 32GB per slot (max. up to 128GB)

Storage

- 1 x M.2 2280 Key M (SATA)

Interface External

- 2 x Buttons: power/reset
- 4 x LEDs: PWR1/PWR2/FAN/SYS
- 2 x USB 3.0 ports
- 1 x RJ45 console port
- 2 x 1GbE RJ45 ports
- 4 x LAN module slots (2 x PCIe4 x8; 1 x 2PCIe4 x4; 1 x 2PCIe3 x4)
- 3 x Swappable smart fans
- 2 x Power inlets for redundant PSU

Interface Internal

- 1 x PCIe4 x4 connector for low profile riser card
- 1 x TPM2.0 module

Power

- 550W CRPS (1+1) redundant PSU

Dimension and Weight

- Chassis dimension (mm): 438 x 470 x 44mm (W x D x H)

Environment

- Operating temperature: 0°C~40°C
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~90% non-condensing

Ordering Information

Barebone

- **NSA 5190 (P/N: 10S00519000X0) for ODM projects only**
1U w/ 12th Gen Intel® Core™ processor, 2 x 1GbE RJ45 ports and 1 x TPM2.0 module

For optimal performance, the below configuration of LAN modules is recommended.

Model	P/N	Controller	Interface	Port Number	Bypass/ Segment	Expansion Slot	Speed	Location Slot
NX 140F	10S20140F01X0	XL710-BM1	PCIe x8	4 x SFP+	None	None	10GbE	1
NA 1000-L26	10SK0100001X0	LBG-M, C626	PCIe x8	n/a	None	None	n/a	2
NI 180C	10S10180C01X0	i350AM4	PCIe x8	8 x RJ45	None	None	1GbE	3, 4
NI 184CX1	10S10184C08X0	i350AM4	PCIe x8	8 x RJ45	4	None	1GbE	3, 4

To check the availability of other compatible LAN modules, please contact your responsible NEXCOM account manager or fill in the online inquiry form.

