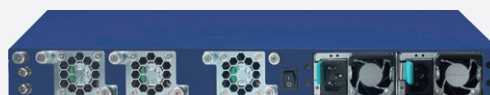


NSA 5190

1U Rackmount Appliance with 12th/13th Gen Intel® Core™ Processor,
2 x 1GbE RJ45 Ports, and 4 x LAN Module Slots



Main Features

- ♦ 12th/13th Gen Intel® Core™ processor
- ♦ 4 x DDR4 2666/3200 non-ECC/ECC UDIMM, up to 128GB
- ♦ 1 x M.2 2280 Key M NVMe SSD (optional)
- ♦ 1 x PCIe 4.0 x8 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/13th Gen Intel® Core™ processor, formerly Alder Lake S/Raptor Lake S, max 65W
- ♦ PCH: R680E
 - TPM 2.0 onboard

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 PCIe 3.0 x4 NVMe SSD, up to 512GB (optional)

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

	LAN Slot 1	LAN Slot 2	LAN Slot3	LAN Slot 4	PCIe5 (Internal for NVMe)
Connector Type	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 4.0 x8
Signal	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 4.0 x4 PCIe 4.0 x4	PCIe 3.0 x4 PCIe 3.0 x4	PCIe 4.0 x4

- ♦ 3 x Swappable smart fans
- ♦ 2 x Power inlets for redundant PSU

Interface Internal

- ♦ 1 x PCIe 4.0 x8 connector for low profile riser cards, and is exclusively for NVMe storage card

Power

- ♦ 550W CRPS (1+1) redundant PSU

Dimension and Weight

- ♦ Chassis dimension (W x D x H): 438 x 511 x 44 mm
- ♦ Packaging size: 675 x 635 x 217 mm
- ♦ Weight without packaging: 9.97 kg
- ♦ Weight with packaging: 18.09 kg

Environment

- ♦ Operating temperature: 0°C~40°C
- ♦ Storage temperature: -20°C~80°C
- ♦ Relative humidity: 10%~90% non-condensing
- ♦ Certifications: CE/FCC Class A, LVD

Ordering Information

Barebone

♦ NSA 5190 (P/N: 10S00519000X0)

1U w/ 12th/13th Gen Intel® Core™ processor, 2 x 1GbE RJ45 ports and 4 x LAN module slots

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

Model	P/N	Controller	Interface	Port Number	Bypass	Speed	Location Slot
NI 180C	2BQ000ODS13X1	i350AM4 x 2	2 x PCIe x4	8 x RJ45	None	1 GbE	3, 4
NI 184CX1	2BQ000ODS14X1	i350AM4 x 2	2 x PCIe x4	8 x RJ45	4	1 GbE	3, 4
NX 140F	2BQ000ODS11X1	XL710-BM1	PCIe x8	4 x SFP+	None	10 GbE	1, 2
NX 142FX1	2BQ000ODS15X1	XL710-BM1	PCIe x8	4 x LC	2	10 GbE	1, 2
NX 142FX1-LR	2BQ000ODS16X1	XL710-BM1	PCIe x8	4 x LC	2	10 GbE	1, 2
NV 120F	2BQ000ODS17X1	XXV710-AM2	PCIe x8	2 x SFP28	None	25 GbE	1, 2

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

