



Main Features

- Intel® Comet Lake processor (LGA1200)
- 2 x DDR4 ECC/non-ECC (2666/2933) UDIMM
- 2 x 2.5" internal SSD/HDD
- 1 x SATA3 for SATA DOM
- 1 x M.2 2242 Key M
- 8 x 2.5 GbE RJ45 LAN ports
- 1 x LAN module
- Single power supply

Product Overview

NSA 3190A is a network communication appliance intended for secure workloads and lower energy consumption. Based on the Intel® Comet Lake processor, NEXCOM's NSA 3190A features high performance computing, flexible I/O, and cost-effective design in processing traffic for network security applications. With up to 16 2.5GbE RJ45 LAN ports and optional expansion cards, it also gives opportunities for customization. NSA 3190A is an ideal edge server or a network security appliance in small and medium business networks.

Specifications

Main Board

- Intel® Comet Lake processor (LGA1200), up to 80W
- Intel® W480
- TPM 2.0 (optional)
- Dual BIOS

Main Memory

- 2 x DDR4 2666/2933 ECC/non-ECC UDIMM, up to 32GB

Storage

- 2 x 2.5" internal SSD/HDD bays
- 1 x M.2 2242 Key M (SATA)
- 1 x SATA3 for SATA DOM

Interface-External

- Buttons: power & reset
- LED: HDD/bypass 1/bypass 2/GPIO
- 2 x USB 3.0 ports
- 1 x RJ45 console
- 8 x 2.5 GbE RJ45 LAN ports
 - 2 x LAN bypass pairs
 - 2 ports PoE supported (30Wx2) (optional)
- 1 x LAN module slot
- 1 x HDMI

Interface-Internal

- 2 x Fixed smart fans
- 1 x Power inlet
- 1 x 54V DC Input (optional for PoE function)
- 1 x low profile standard PCIe x8 expansion slot (optional)
- LCM (optional)

Riser card (one out of three can be installed per SKU) (optional)

- 2 ports PoE control card
- NVMe with 2 x M.2 SSD
- 8 x 2.5GbE riser LAN card

Power

- 300W single power supply
- 54V DC adapter for PoE (optional)

Dimensions and Weight

- Chassis dimension: 430mm x 300mm x 44mm
- Carton dimension: 544mm x 506mm x 205mm
- Without packing: 4.7kg
- With packing: 7.5kg

Environment

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

Ordering Information

Barebone

- **NSA 3190A (P/N: 10S00319000X0) for ODM projects only.**

1U w/ Intel® Comet Lake processor, 8 x 2.5GbE, 1 x LAN module, single PSU

| Model | P/N | Controller | Speed | I/O ports | PCIe | Bypass | Location slot |
|--------------|---------------|-------------|-------|-----------|-------------|--------|---------------|
| NI 140C | 10S10140C01X0 | i350AM4 x 1 | 1G | 4 x RJ45 | PCIe x4 | 0 | All slots |
| NI 180C | 10S10180C01X0 | i350AM4 x 2 | 1G | 8 x RJ45 | 2 x PCIe x4 | 0 | All slots |
| NI 140F | 10S20140F01X0 | i350AM4 x 1 | 1G | 4 x SFP | PCIe x4 | 0 | All slots |
| NI 180F | 10S10180F01X0 | i350AM4 x 2 | 1G | 8 x SFP | 2 x PCIe x4 | 0 | All slots |
| NI 184CX1 | 10S10184C08X0 | i350AM4 x 2 | 1G | 8 x RJ45 | 2 x PCIe x4 | 4 | All slots |
| NI 142CX1 | 10S10142C09X0 | i350AM4 x 1 | 1G | 4 x RJ45 | PCIe x4 | 2 | All slots |
| NX 140F | 10S20140F01X0 | XL710-BM1 | 10G | 4 x SFP+ | PCIe x8 | 0 | All slots |
| NX 142F | 10S20142F01X0 | XL710-BM1 | 10G | 4 x SFP+ | PCIe x8 | 2 | All slots |
| NX 142FX1 | 10S20142F19X0 | XL710-BM1 | 10G | 4 x SFP+ | PCIe x8 | 2 | All slots |
| NX 142FX1-LR | 10S20142F20X0 | XL710-BM1 | 10G | 4 x SFP+ | PCIe x8 | 2 | All slots |
| NX 121FX1 | 10S20121F12X0 | X710-BM2 | 10G | 2 x SFP+ | PCIe x8 | 1 | All slots |
| NX 121FX1-LR | 10S20121F13X0 | X710-BM2 | 10G | 2 x SFP+ | PCIe x8 | 1 | All slots |
| NV 120F | 10S50120F01X0 | XXV710-AM2 | 25G | 2 x SFP28 | PCIe x8 | 0 | All slots |
| NQ 120F | 10S40120F04X0 | XL710-BM2 | 40G | 2 x QSFP+ | PCIe x8 | 0 | All slots |