



## Main Features

- Intel Atom® P6900 SoC, 16 cores, TPD 66W
- 2 x DDR5-5600 ECC UDIMM slots, up to 64GB
- 1 x M.2 2242/2280 Key M SATA slot
- Supports Intel® QAT
- 8 x 2.5GbE RJ45 port with 2-pair bypass (default: standard NIC mode)
- 4 x 10GbE SFP+ port
- 4 x 25GbE SFP+ port
- 1 x PCIe Gen4 x8 slot for HHHL card, up to 75W

## Product Overview

NEXCOM's NSA 1180 is 1U PQC-ready cybersecurity platform, powered by the Intel Atom® P6900 SoC processor, designed to secure high-throughput networks against current and future cryptographic threats. Featuring enhanced NGFW capabilities, server-grade connectivity with multiple high-speed ports, NSA 1180 delivers efficient, low-latency traffic processing for data-intensive security workloads. Optional TPM and integrated network bypass ensure improved system integrity and uninterrupted operation, while HDMA port simplifies configuration, rapid deployment and management. NSA 1180 supports applications such as next-generation firewalls, secure gateways, SD-WAN, data center edge security, and PQC-ready network protection for critical deployments.

## Specifications

### Processor

- Intel Atom® P6900 SoC, 16 cores, TPD 66W, 2.2GHz

### System Capabilities

- Intel® QAT
- 1 x TPM 2.0 module (optional)

### Memory

- 2 x DDR5 5600 ECC UDIMM slots, up to 64GB

### Storage

- 1 x M.2 Key M 2242/2280 SATA slot

### I/O Interface Front

- 8 x 2.5GbE RJ45 port with 2-pair bypass (default: standard NIC mode)
- 4 x 10GbE SFP+ port
- 4 x 25GbE SFP+ port
- 1 x PCIe Gen 4.0 x8 slot for HHHL card, up to 75W
- 1 x RJ45 console port
- 1 x RJ45 management port
- 2 x USB 3.2
- 1 x HDMI v1.4
- Buttons: Power & Reset
- LEDs: Status/MGMT/SYS/PWR1/PWR2/BY1/BY2

### I/O Interface Rear

- 1 x Ground screw

### Power

- 2 x Slim type 300W AC + AC PSU (default)
- 2 x Slim type 300W DC + DC PSU (optional)

### Mechanical

- Chassis dimension: 438 mm (W) x 300 mm (D) x 44 mm (H)
- Package dimension: 575 mm (W) x 412 mm (D) x 237 mm (H)
- Net weight: 5.3 kg
- Gross weight: 9.3 kg

### Environment

- Ambient with air flow: 0°C~40°C
- Storage temperature: -20°C~70°C
- Relative humidity: 0%~95% non-condensing

### Certifications

- CE/FCC class B

## Ordering Information

### • NSA 1180 (P/N: TBC)

Intel Atom® P6900 SoC processor, 16 cores, 8 x 2.5GbE RJ45 with 2-pair bypass, 4 x 25GbE & 4 x 10GbE SFP+ port