



## Main Features

- ♦ 2U compact rackmount size
- ♦ 2 x Intel® Xeon® processor scalable family (Skylake-EP)
- ♦ 16 x DDR4 288-pin DIMM slots, support 2133/2400/2666 ECC & REG, up to 256 GB
- ♦ 4 x PCIe x8 LAN module slots, up to 100G QSFP28
- ♦ 1 x External HDD (RAID) BOX can install 2 x 2.5" SSD/HDD with vibration protect
- ♦ 2 x Internal full size PCIe x16 expansion slot with air flow
- ♦ 3 x Swappable fan module 23000 RPM
- ♦ 2 x 700W CRPS redundant power supply

## Specifications

### Main Board

- ♦ NSB 7145 (PCH C621)
- ♦ Dual Intel® Xeon® processor scalable family
- ♦ Support 9.6 GT/s QPI speed
- ♦ Two PCIe x16 expansion slots

### LAN Features

- ♦ Optional LAN module
- ♦ Support Intel® i350/Intel® XL710 copper/fiber ports
- ♦ Support 10/100/1000M, 10G SFP+, 100G QSFP28 link speed
- ♦ LAN Bypass

\* Please see LAN module list information

### I/O Interface-Front

- ♦ Power status/HDD status/HW monitor/GPIO LEDs
- ♦ 1 x Power button switch
- ♦ 2 x Management LAN ports (i210-AT)
- ♦ 1 x RJ45 type console port
- ♦ 2 x USB 3.0 ports
- ♦ 4 x LAN module slot

### I/O Interface-Rear

- ♦ 1 x VGA DisplayPort
- ♦ 1 x USB 3.0 port
- ♦ 3 x Swappable system fans

### Main Memory

- ♦ 16 x 288-pin DDR4 2400/2666 DIMM sockets, up to 512GB ECC & REG SDRAM

### Devices

- ♦ 2 x 2.5" HDD/SSD swappable

### Power Input

- ♦ 2 x CRPS 700W power supply

### Chassis Dimensions

- ♦ Chassis dimension: 438 mm x 570 mm x 88 mm

### Weight

- ♦ Without packing: 19 kg
- ♦ With packing: 25 kg

### Environment

- ♦ Operating temperatures: 0°C~40°C
- ♦ Storage temperature: -20°C~75°C
- ♦ Relative humidity: 10%~90% non-condensing

### Certifications

- ♦ CE approval
- ♦ FCC Class A
- ♦ UL

## Ordering Information

### Barebone

#### ♦ NSA 7145-LM (P/N: TBD)

| Model      | P/N Controller | Interface         | Type    | Port Number | Bypass/Segment | Expansion Slot | Location Slot      |
|------------|----------------|-------------------|---------|-------------|----------------|----------------|--------------------|
| NX 140F    | 10S20140F01X0  | XL710-BM1         | PClex8  | 4 SFP+      | None           | None           | All Slot           |
| NX 142F    | 10S20142F01X0  | XL710-BM1         | PClex8  | 4 SFP+      | 2 bypass       | None           | All Slot           |
| NX 142F-LR | 10S20142F03X0  | XL710-BM1         | PClex8  | 4 SFP+      | 2 bypass       | None           | All Slot           |
| NX 120F    | 10S20120F00X0  | X710-BM2          | PClex8  | 2 SFP+      | None           | None           | All Slot           |
| NI 140F    | 10SK000NI02X0  | i350AM4x1         | PClex8  | 4 SFP       | None           | None           | All Slot           |
| NI 180F    | 10S10180F01X0  | i350AM4x2         | PClex8  | 8 SFP       | None           | None           | All Slot           |
| NI 142C    | 10SK000NI03X0  | i350AM4x1         | PClex8  | 4 Copper    | 2 bypass       | None           | All Slot           |
| NI 180C    | 10S10180C01X0  | i350AM4x2         | PClex8  | 8 Copper    | None           | None           | All Slot           |
| NI 184C    | 10S10184C01X0  | i350AM4x2         | PClex8  | 8 Copper    | 4 bypass       | None           | All Slot           |
| NI 142F    | 10S10142F01X0  | i350AM4x1         | PClex8  | 4 SFP       | 2 bypass       | None           | All Slot           |
| NI 121F    | 10S10121F01X0  | i350AM2x1         | PClex8  | 2 SFP       | 1 bypass       | None           | All Slot           |
| NI 140C    | 10S10140C01X0  | i350AM4x1         | PClex8  | 4 Copper    | None           | None           | All Slot           |
| NV 120F    | 10S50120F01X0  | XXV710-AM2        | PClex8  | 2 QSFP      | None           | None           | All Slot           |
| NC220Q28M  | 10S30022002X0  | MT27708A0-FDCF-CE | PClex16 | 2 QSFP28    | None           | None           | 1,2/ 3,4/ 5,6/ 7,8 |