



## Main Features

- ◆ 1U rackmount network platform
- ◆ Supports Intel® 6th gen. Xeon®/Core™/Pentium® processors
- ◆ Support DDR4 2400 ECC & REG, up to 32GB
- ◆ Support one PCIe x8 expansion
- ◆ Internal two 2.5" HDD bay
- ◆ Single 250 watt PSU

## Specifications

### Main Board

- ◆ NSB 3170
- ◆ Supports Intel® 6th gen. Xeon®/Core™/Pentium® processors (codenamed Skylake-S)
- ◆ Intel® H110/Intel® C236 chipset

### Main Memory

- ◆ 2 x DDR4 2400 memory DIMM, support ECC/non-ECC memory, Max 32GB

### LAN Features

- ◆ LAN Chip: Intel® i211-AT
- ◆ Support 10/100/1000/10G link speed
- ◆ LAN Bypass: 2 pairs

### I/O Interface-Front

- ◆ Power status/HDD status/LAN status/bypass status LEDs
- ◆ 2 x USB 3.0 ports
- ◆ 1 x micro USB console port (optional)
- ◆ 1 x RJ45 type console port
- ◆ Max. 16 x copper LAN ports
- ◆ 1 x Reset button

### I/O Interface-Rear

- ◆ 1 x Rear PCIe x 8 expansion slot (optional)
- ◆ 1 x VGA Port
- ◆ 1 x Power button switch (optional)
- ◆ 2 x USB 3.0 ports (optional)

### Devices

- ◆ 1 x SATA DOM (power pin reserved)
- ◆ 2 x 2.5" HDD bay

### Power Input

- ◆ ATX power supply 250W

### Chassis Dimensions

- ◆ Chassis dimension: 438 mm x 300mm x 44mm
- ◆ Carton dimension : TBC

### Weight

- ◆ Without packing: TBC
- ◆ With packing: TBC

### 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 3170 (P/N: 10S00317000X0)**

Intel® H110 PCH, supporting Intel® 6th gen. Core™/Pentium® processors, 2 DDR4 memory slots, 6GbE copper LAN ports, SATA DOM, USB ports, VGA port, one PCIe x8 LAN expansion slot (front), w/o LCM

- ◆ **NSA 3170A (P/N: 10S00317001X0)**

Intel® C236 PCH, supporting Intel® 6th gen. Xeon®/Core™/Pentium® processors, 2 DDR4 memory slots, 16GbE copper LAN ports, SATA DOM, USB ports, VGA port, one PCIe x8 LAN expansion slot (front), w/o LCM

- ◆ **NSK 1170 (P/N: 20SK0117000X0)**

PCIe x8 riser card for NSA 3170A Internal LAN I/O module (For NSA 3170A only)

- ◆ **NX 140F**

Intel® XL710-BM1 10GbE module 4 fiber ports by PCIe x8 interface with PKG

- ◆ **NX 142F**

Intel® XL710-BM1 10GbE module 4 fiber ports with 2 bypass segment (multi mode) by PCIe x8 interface with PKG

- ◆ **NI 140F**

Intel® I350 module 4 fiber ports with PCIe x8 interface with PKG

- ◆ **NI 180F**

Intel® I350 module 8 fiber ports with PCIe x8 interface with PKG

- ◆ **NI 142C**

Intel® I350 module 4 copper ports with 2 bypass segment by PCIe x8 interface with PKG

- ◆ **NI 180C**

Intel® I350 module 8 copper ports by PCIe x8 interface with PKG

- ◆ **NI 184C**

Intel® I350 module 8 copper ports with 4 bypass segment by PCIe x8 interface with PKG

- ◆ **NI 142F**

Intel® I350 module 4 fiber ports with 2 bypass segment by PCIe x8 interface with PKG

- ◆ **NI 121F**

Intel® I350 module 2 fiber ports with 1 bypass segment by PCIe x8 interface with PKG

| Model   | P/N Controller | Interface | Type    | Port Number | Bypass/Segment        | Expansion Slot | Location Slot |
|---------|----------------|-----------|---------|-------------|-----------------------|----------------|---------------|
| NX 140F | 10S20140F01X0  | XL710-BM1 | PCIe x8 | 4 SFP+      | None                  | None           | All Slot      |
| NX 142F | 10S20142F01X0  | XL710-BM1 | PCIe x8 | 4 SFP+      | 2 Bypass (Multi Mode) | None           | All Slot      |
| NI 140F | 10SK000NI02X0  | i350AM4x1 | PCIe x8 | 4 SFP       | None                  | None           | All Slot      |
| NI 180F | 10S10180F01X0  | i350AM4x2 | PCIe x8 | 8 SFP       | None                  | None           | All Slot      |
| NI 142C | 10SK000NI03X0  | i350AM4x1 | PCIe x8 | 4 Copper    | 2 Bypass              | None           | All Slot      |
| NI 180C | 10S10180C01X0  | i350AM4x2 | PCIe x8 | 8 Copper    | None                  | None           | All Slot      |
| NI 184C | 10S10184C01X0  | i350AM4x2 | PCIe x8 | 8 Copper    | 4 Bypass              | None           | All Slot      |
| NI 142F | 10S10142F01X0  | i350AM4x1 | PCIe x8 | 4 SFP       | 2 Bypass              | None           | All Slot      |
| NI 121F | 10S10121F01X0  | i350AM2x1 | PCIe x8 | 4 SFP       | 1 Bypass              | None           | All Slot      |