



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	PCle x8	4 SFP+	None	None	All Slot
NX 142F	10S20142F01X0	XL710-BM1	PCle x8	4 SFP+	2 bypass	None	All Slot
NX 142F-LR	10S20142F03X0	XL710-BM1	PCle x8	4 SFP+	2 bypass	None	All Slot
NX 120F	10S20120F00X0	X710-BM2	PCle x8	2 SFP+	None	None	All Slot
NI 140F	10SK000NI02X0	i350AM4x1	PCle x8	4 SFP	None	None	All Slot
NI 180F	10S10180F01X0	i350AM4x2	PCle x8	8 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PCle x8	4 Copper	2 bypass	None	All Slot
NI 180C	10S10180C01X0	i350AM4x2	PCle x8	8 Copper	None	None	All Slot
NI 184C	10S10184C01X0	i350AM4x2	PCle x8	8 Copper	4 bypass	None	All Slot
NI 142F	10S10142F01X0	i350AM4x1	PCle x8	4 SFP	2 bypass	None	All Slot
NI 121F	10S10121F01X0	i350AM2x1	PCle x8	2 SFP	1 bypass	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PCle x8	4 Copper	None	None	All Slot
NV 120F	10S50120F01X0	XXV710-AM2	PCle x8	2 SPF28	None	None	All Slot
NC220Q28M	10S30022002X0	MT27708A0-FDCF-CE	PCle x16	2 QSFP28	None	None	1,2/ 3,4/ 5,6/ 7,8