

NA870

2U Rackmount Network Appliance Platform with Dual LGA4189 Socket 3rd Gen Intel® Xeon® Scalable Processors, Intel® C621A /627A, and up to 66 LAN



Features

- Dual CPU sockets for 3rd gen Intel® Xeon® Scalable processors with 8 to 40 powerful cores, up to 270W
- 20 DDR4-3200 R-DIMM for up to 1280GB of memory
- 8 expandable LAN modules in support of 1GbE/10GbE/25GbE/40GbE/Fiber/Copper/Bypass
- Supports 100Gb Ethernet module with Intel® Ethernet controller E810 (AX93357/AX93358)
- First PCIe 4.0 ready platform
- Supports onboard IPMI (optional)
- Intel® Crypto Acceleration (Intel® C627A)



Specifications

System

CPU	Dual LGA4189 socket 3rd gen Intel® Xeon® Scalable processors (Ice Lake-SP), up to 270W
Chipset	Intel® C621A (default) Intel® C627A (by project)
Memory	20 x DDR4-3200 R-DIMM, up to 1280GB
BIOS	AMI SPI Flash BIOS
Storage	2 x 2.5" SATA HDD hot swappable 1 x M.2 Key M 2242/2280 (PCIe) 1 x M.2 Key M 2242/2280 (PCIe/SATA)
Network Interface	2 x GbE RJ-45 (Intel® I210) Single CPU: 4 x LAN module (optional), up to 34 LAN ports Dual CPU: 8 x LAN module (optional), up to 66 LAN ports
I/O	1 x Console (RJ-type) 2 x USB 3.0 2 x RJ-45 1 x VGA
TPM	Onboard TPM 2.0
IPMI	Onboard BMC AST2500, IPMI 2.0 for option
Other Features	LAN Bypass function through latch relay (depends on LAN modules)
Expansion Interface	2 x PCIe x16 (optional, slot 1/ CPU0, slot 2/ CPU1) through riser card
Watchdog Timer	255 stepping for system reset 8 stepping for LAN Bypass
Power Supply	1300W 2U redundant power supply
OS Compatibility	Linux

Mechanical/ Environmental

Form Factor	2U rackmount
LED	Power, HDD, GPIO programmable, Link/Act with transfer rate
Operating Temperature	0°C to +40°C (+32°F to +104°F) for Intel® C621A 5°C to +40°C (+41°F to +104°F) for Intel® C627A
Humidity	10% to 95% RH, non-condensing
Chassis Material	Steel
Dimensions	88 mm (3.46") (H) x 430 mm (16.92") (W) x 663 mm (26.10") (D)
Weight (net/gross)	14 kg (30.78 lb)/20 kg (44 lb)
Certifications	CE/FCC Class A

Ordering Information

P/N	CPU	PCH	DDR4 Slot	1Gbe LAN Port	LAN Bypass	TPM2.0	NIC Slot	PCIe Expansion	Power
E26E870100	3rd gen Intel® Xeon® scalable processors	C621A	20	2 x 1GbE in default	N/A	Yes	Up to 8	2 x PCIe x16 through riser card	1300W redundant power supply

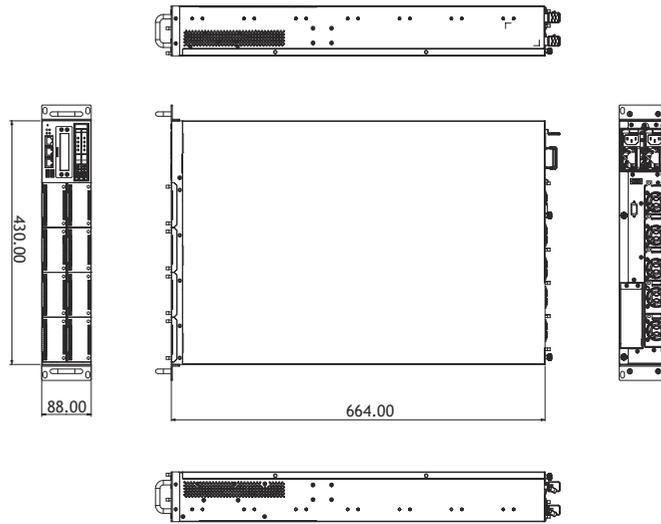
Optional Accessories

826E8700010E	NA870 Riser Card Kit For 1 Slot
826E8700020E	NA870 Riser Card Kit For 2 Slots
5916E552000E	DB9F- RJ45 1.8M Console cable For Cisco
59906000010E	Power Cord YP-12/YC-12(Japan)
59903000000E	Power Cord YP-22/YC-12 (Europe)
59905000000E	Power Cord YP-35/YC-12 (Australia)
59904010000E	Power Cord/UK YP-61A/YC-12 L=1830mm

Optional NIC Modules

P/N	Description
E393316109	AX93316-8GI-i350 with LAN tray
E393322102	AX93322-8FI-350 with LAN tray
E393322103	AX93322-8MIL-350 with LAN Tray
E393336102	AX93336-4GIL-i350 2 LBP with LAN tray
E393336103	AX93336-4FI-i350 with LAN tray
E393307100	AX93307-2FI 10G 82599ES with LAN tray
E393327101	AX93327-4FI 10G XL710 with LAN tray
E393331100	AX93331-2QFI Dual-port 40GbE with LAN tray
E393332100	AX93332-25FI Dual-port 25GbE with Tray
E393358100	AX93358-HFI 2X100G E810 (2 x PCIe x8 front)
E393357100	AX93357-HFI 2X100G NIC E810 (PCIe x16) through riser card

Dimensions



I/O Mechanical Layout /Drawing

