NA-551

2U Rackmount Network Appliance Platform with LGA1155 Intel® Ivy Bridge (C216), Two 3.5" Hot-swappable HDD and up to 26 LANs

▲ Front view

▲ Rear view

Features

- LGA1155 socket 3rd/2nd Generation Intel® Xeon® E3 family processors
- Four DIMM sockets support up to 32 GB non-buffer non-ECC/ECC memory (DDR3 1333, dual channel)
- Supports diversification LAN modules expansion
- Supports power redundant
- Supports BIOS redirected to COM port
- Supports two front-accessible 3.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications

Introduction

NA-551 is a 2U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3 family with Intel® C216 chipset and four DDR3 1333 memory up to 32 GB. For greater flexibility and easier maintenance, NA-551 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements.

It has storage interfaces featuring two 3.5" SATA HDD and one CFast™. To solve shutdown issue, NA-551 supports up to six groups of LAN bypass function through software program.

Specifications

System

CPU	LGA1155 socket for 3rd/2nd Generation Intel® Xeon® E3 family processors, max 99 watt
Chipset	Intel® C216
Memory	4 x DDR3 1333 DIMM socket max. up to 32 GB non-buffer non-ECC/ECC memory (dual channel)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 3.5" SATA HDD
Network Interface	The default is 14 10/100/1000Mbps Ethernet and four LAN bypass segments. Expandable up to 26 LAN ports via LAN modules and six LAN bypass segments
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/mouse connector
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion slot	1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W redundant power supply
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental

Form Factor	2U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)

Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	88 mm (3.46") (H) x 430 mm (16.92") (W) x 500 mm (19.68") (D)
Weight (net/gross)	14.52 kg (32.01 lb)/21.61 kg (47.64 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard

NA-551-REGI-R	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+0 and 14 10/100/1000Mbps (AXP3306-4GIL & AXT3306-8GIL)
NA-551-R2GI-R1	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+0 and 2 10/100/1000Mbps
NA-551-R2GI-R2	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+1 and 2 10/100/1000Mbps

Optional

59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93306-4GI	4-port Gigabit copper module
AX93306-4GIL	4-port Gigabit copper module with LAN bypass
AX93306-4FI	4-port Gigabit SFP fiber module
AX93306-8GI	8-port Gigabit copper module
AX93306-8GIL	8-port Gigabit copper module with LAN bypass
AX93306-8MI	4-port Gigabit copper & 4-port Gigabit SFP fiber module
AX93306-8MIL	4-port Gigabit copper & 4-port Gigabit SFP fiber module with LAN bypass
AX93312-8FI	8-port Gigabit SFP fiber module

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA Cable
1 x utility CD (user's manual and driver)
1 x power cord (PSU 1+0), 2 x power cord (PSU 1+1)
2 x HDD tray (w/ key)

* All specifications and photos are subject to change without notice.

NA-551

LAN Modules for NA-551

4-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-4GI	PLX PEX8624	Intel® 82580DB/2	4	0	4/0
AX93306-4FI	PLX PEX8624	Intel® 82580DB/2	4	0	0/4
AX93306-4GIL	PLX PEX8624	Intel® 82580DB/2	4	2	4/0

AX93306-4FI

AX93306-4GIL

AX93306-4GI

8-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-8GI	PLX PEX8624	Intel® 82580DB/4	8	0	8/0
AX93312-8FI	PLX PEX8624	Intel® 82580DB/4	8	0	0/8
AX93306-8MI	PLX PEX8624	Intel® 82580DB/4	8	0	4/4
AX93306-8GIL	PLX PEX8624	Intel® 82580DB/4	8	2	8/0
AX93306-8MIL	PLX PEX8624	Intel® 82580DB/4	8	2	4/4

AX93306-8MIL

AX93306-8MI

AX93306-8GI

AX93312-8FI

AX93306-8GIL

Dimensions