

# NA-550

1U Rackmount Network Appliance Platform with LGA1155 Intel® C216 and up to 26 LANs



▲ Front view



▲ Rear view

## Introduction

The NA-550 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3 family processors with Intel® C216 chipset and four DDR3 1333 memory up to 32 GB. For greater flexibility and easier maintenance, the NA-550 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements. The NA-550 has storage interfaces featuring one 2.5" SATA HDD and one CFast™. To solve shutdown issue, the NA-550 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 95 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 64 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	The default is 14 10/100/1000Mbps Ethernet and four LAN bypass segments. Expandability of up to 26 LAN ports via LAN modules & six LAN bypass segments
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type connector), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/mouse connector (default)
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 (Optional)	1 x External PCI slot 1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6

## Mechanical/ Environmental

Form Factor	1U rackmount
LED	4 x GPO LED - (LED 1: green color, normal working; LED 2: green color; management; LED 3: yellow color; master/slave; LED 4: yellow color; Log). While the BIOS boots up, the LED should be light off. While it boots up successfully, these LEDs can be triggered and controlled by software.

## 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 LAN modules expansion
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications

Operating Temp.	0° ~ +45°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 523 mm (20.59") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC class A/CE class A

## Ordering Information

Standard	
NA-550-REGI	1U network appliance with LGA1155 socket for 3rd/2nd Generation Intel® Core™ processors and 14 10/100/1000Mbps (AX93306-4GIL & AX93306-8GIL)
NA-550-R2GI	1U network appliance with LGA1155 socket for 3rd/2nd Generation Intel® Core™ processors 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
AX93312-8FI	8-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

\* 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

# NA-550

## LAN Modules for NA-550

### 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



AX93306-8MIL



AX93306-8MI



AX93306-8GI



AX93312-8FI



AX93306-8GIL

### 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

Overview

SOHO Series

SMB Series

Accessories

## Dimensions

