NA-550

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





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

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				

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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.

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

0° ~ +45°C (32°F ~ 104°F)

Ordering Information

Operating Temp.

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					

 $[\]ensuremath{^{*}}$ Specifications and certifications are based on options and may vary.

Packing List

1 x SATA cable	
1 x utility CD (user's manual and driver)	
1 x power cord	

Form Factor

Mechanical/Environmental

^{**} Recommend ordering optional cable kit with first order.

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

NA-550

LAN Modules for NA-550

4-port LAN Module

	PCIe Switch	LAN	l Chipset/ Oty	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



Overview

SOHO Series

SMB Series

Accessories



8-port LAN Module

	PCle Switch	LAN	I Chipset/ Oty	Number of Ports	LAN Bypass Pairs	Copper/ Fiber (SFP)
					(Latch Relay)	
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





AX93306-8GI

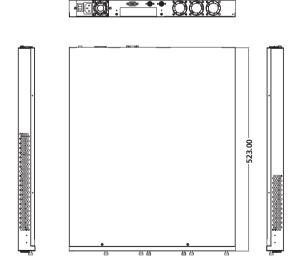


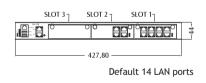
AX93306-8MI

AX93312-8FI

AX93306-8GIL

Dimensions







Up to 26 LAN ports

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