

NA552

1U Rackmount Network Appliance Platform
LGA1155 Intel® Xeon® E3 / Core™ i
processors, Intel® C216 and up to 26 LANs

NEW



▲ Front view



▲ Rear view

Introduction

NA552 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/ 2nd Generation Intel® Xeon® E3/ Core™ i family processors with Intel® C216 chipset and four DDR3-1333 memory up to 32 GB. For greater flexibility and easier maintenance, NA552 has three front-accessible expansion slots that allow developers to configure different LAN, max. up to 26 LAN ports. NA552 also support the Intel® Data Plane Development Kit (Intel® DPDK), a set of software libraries that can improve packet processing performance by up to ten times. It could achieve over 80 Mbps throughput on a single Intel® Xeon® processor.

Specifications

System	
CPU	LGA1155 3rd/2nd Gen. Intel® Xeon® E3/ Core™ i family Processors
Chipset	Intel® C216
Memory	4 x DDR3-1333 DIMM socket max. up to 32 GB unbuffered
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDDs or 1 x 3.5" SATA HDD (optional)
Network Interface	The default is 18 10/100/1000 Mbps (Intel® i210AT/82580EB) and 4 group LAN by pass. Expandable up to 26 LAN ports via LAN modules
SSD	1 x CFast™, 1 x Compact Flash™ (optional)
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 17 x RJ-45 connector, 1 x VGA connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion slot	1 x PCIe x4 slot (optional)
Other Features	LAN bypass function through software program
Power Supply	270W ATX power supply 1U redundant power supply (optional)
OS Compatibility	Linux Redhat Kernel

Mechanical/ Environmental

Form Factor	1U
LED	Power, HDD, Link/Act with transfer rate, GPIO
Operating Temp.	0° ~ +40°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 430 mm (16.92") (W) x 450mm (17.72") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC class A / CE class A

Features

- LGA1155 socket 3rd/2nd Generation Intel® Xeon® E3/ Core™ i family processors
- Four DIMM sockets support up to 32 GB unbuffered non-ECC/ECC memory (DDR3-1333, dual channel)
- Supports diversification LAN modules expansion , 3 expandable LAN module slots support max. up to 26 LAN ports
- Supports 1U redundant power supply (optional)
- Supports BIOS redirected to COM port
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports the Intel® Data Plane Development Kit (Intel® DPDK)

Ordering Information

Standard	
NA552-R2GI	1U network appliance with LGA1155 sockets for 3rd/2nd Generation intel® processors and 2 10/100/1000Mbps
NA552-RIGI	1U network appliance with LGA1155 sockets for 3rd/2nd Generation intel® processors and 18 10/100/1000Mbps

Optional	
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93316-8GI	8-port Gigabit copper module
AX93316-8GIL	8-port Gigabit copper module, w/ LAN bypass
AX93322-8FI	8-port SFP fiber module
AX93322-8MIL	4-port Gigabit copper & 4-port SFP fiber module, w/ LAN bypass
AX93307-2FI	2-port 10G Fiber module
AX93307-2FIL	2-port 10G Fiber module, w/ LAN bypass
AX93317-2GIL	2-port 10G Base-T module, w/ LAN bypass

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

** Recommend ordering optional cable kit with first order.

Packing List

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

NA552

LAN Modules for NA552

8-port LAN Module

	LAN Chipset/Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/Fiber (SFP)
AX93316-8GI	Intel® 82580EB/4	8	0	8/0
AX93322-8FI	Intel® 82580EB/4	8	0	0/8
AX93322-8MIL	Intel® 82580EB/4	8	2	4/4
AX93316-8GIL	Intel® 82580EB/4	8	4	8/0



AX93316-8GIL



AX93322-8MIL



AX93322-8FI

2-port 10G LAN Module

	LAN Chipset	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/Fiber (SFP)
AX93307-2FI	Intel® 82599ES	2	0	0/2
AX93307-2FIL	Intel 82599ES	2	1	0/2
AX93317-2GIL	Intel x540	2	1	0/2
AX93337-2FI	Intel	4	0	0/4



AX93317-2GIL



AX93307-2FI



AX93307-2FIL

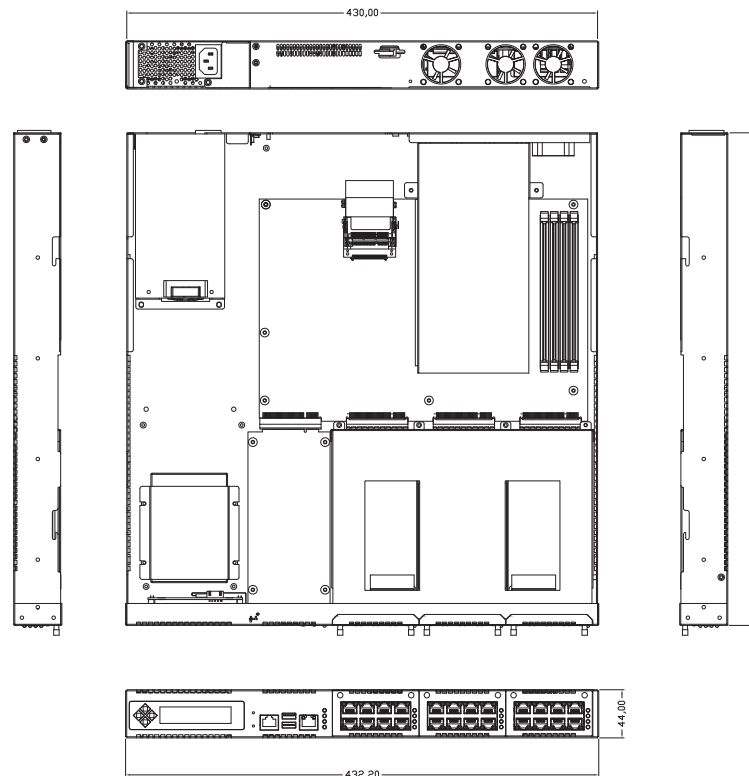
Overview

SOHO Series

SMB Series

Accessories

Dimensions



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