

# N-Series Security Module



Embeds the Enterasys Intrusion Prevention System (IPS) into Enterasys N-Series switches

Connects to the expansion slot on any N-Series DFE to save on power, cooling, and space costs

## Product Overview

The Enterasys N-Series Security Module enables customers to integrate the Enterasys Intrusion Prevention System (IPS) directly into the Enterasys N-Series chassis. The Enterasys N-Series Security Module fits into the network expansion module (NEM) slot on any N-Series Distributed Forwarding Engine (DFE), integrating advanced security technology into the N-Series without occupying any of the main chassis slots. The Enterasys N-Series Security Module provides value by leveraging existing networking and security resources. The design eliminates external cabling between network switches and security appliances and conserves space in a 19" rack.

The Enterasys N-Series Security Module interfaces include dual Gigabit Ethernet high-speed interfaces to the switch fabric plus two 1 Gbps SFP uplinks. The N-Series Security Module is available for all modular N-Series chassis. It supports all DFEs with network expansion modules, including Gold, Platinum, and Diamond DFEs.

## Distributed IPS Module

The Distributed IPS (US Patent 7581249) module provides comprehensive multi-method attack detection with deep packet inspection. This enables the Enterasys N-Series to provide complete inspection of network traffic with no service degradation. It detects all types of network threats, including Denial of Service (DoS) attacks, and provides full pattern matching, protocol analysis, and anomaly detection. It also generates events on the attacks so that further action can be taken, either dynamically or with user intervention.

## Network Security and Management Portfolio

The Enterasys N-Series Security Module is one product in Enterasys' complete portfolio of network security and management solutions. This portfolio enables enterprises to ensure the confidentiality, integrity and availability of critical resources. Enterasys IPS advanced prevention, detection and response capabilities are available for network, host-based and wireless deployment options. Enterasys Security Information and Event Management (SIEM) solution provides a unified, real-time view of the security landscape, addressing compliance monitoring and reporting. The Enterasys SIEM offers advanced correlation that reduces hundreds of thousands of events into actionable information. Enterasys Network Access Control (NAC) is a flexible inline or out-of-band solution for pre-connect post-connect network access control. Enterasys NAC helps enterprises automatically manage guest access control. Enterasys Network Management Suite (NMS) delivers centralized visibility and control for large multi-vendor networks. The Enterasys NMS streamlines network management reducing IT administrative effort and costs. In today's IT environment, where nothing works without the network, the Enterasys portfolio delivers visibility, enforcement and response across wired, wireless, servers, virtualized servers and converged data, voice, video environments.

## Benefits

### N-Series Security Module Benefits

- Integrates Distributed IPS (US Patent 7581249) into any Enterasys N-Series Distributed Forwarding Engine (DFE)
- Leverages existing switching infrastructure
- Eliminates external cabling while reducing power, cooling, and space requirements

### Intrusion Prevention Benefits

- Protects against emerging Voice over IP vulnerabilities, Day Zero threats, and advanced DoS attacks
- Detects and contains threats with sophisticated signature, application, protocol, and behavioral analysis
- Provides complete inspection of network traffic with no service degradation

### Complete Network Security and Management Portfolio

- Enterasys Intrusion Prevention System (IPS)
- Enterasys Wireless Intrusion Prevention and Detection (WIPS)
- Enterasys Security Information & Event Management (SIEM)
- Enterasys Network Access Control (NAC)
- Enterasys Network Management Suite (NMS)

**There is nothing more important  
than our customers.**

# Specifications

N-Series Security Module		7S-DSNA-01
Memory	120 GB hard drive hard drive	
Ports	(2) 1 Gbps SFP DFE Uplink Ports (2) 1 Gbps Internal Ports (connecting the N-Series Security Module to the DFE) (1) 10/100 Mbps N-Series Security Module for Intrusion Detection out-of-band management port	
Power Supplies	Power supplies not included in base unit; order separately, Ordering Information table below	
Form Factor	Fixed modular, standalone	
Memory and Processor	2 GB DRAM Dual core, 1.5GHz, 4MB Cache processor	
<b>Environmental Specifications</b>		
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Storage Temperature	-30°C to 73°C (-22°F to 164°F)	
Operating Relative Humidity	5% to 90% (non-condensing)	
External Power Supply	AC Input Voltage: 100 - 200V AC Input Amps: 1.5A Frequency: 50 - 60Hz DC Output Voltage: 12V DC Output Amps: 5A	
<b>Agency and Standards Specifications</b>		
Safety	UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC (Low Voltage Directive)	
Electromagnetic Compatibility (EMC)	FCC 47 CFR Part 15 (Class A), ICES-003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR-22 (Class A), VCCI V-3, CNS 13438 (BSMI), 2004/108/EC (EMC Directive)	
Environmental	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive), Ministry of Information Order #39 (China RoHS)	

## Warranty

As a customer-centric company, Enterasys is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible.

The Enterasys N-Series Security Module comes with a one year hardware warranty. For full warranty terms and conditions please go to <http://www.enterasys.com/support/warranty.aspx>.

## Service and Support

Enterasys Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs. Please contact your Enterasys account executive for more information about Enterasys Service and Support.

# Ordering Information

Part Number	Description
<b>Distributed Intrusion Prevention Module</b>	
7S-DNSA-01	Enterasys IPS security processor for Enterasys N-Series
7S-MSM-PS-KIT	External power supply kit for Enterasys N-Series Security Module (Enterasys IPS or C20N)

## Contact Us

For more information, call Enterasys Networks toll free at **1-877-801-7082**, or +1-978-684-1000 and visit us on the Web at [enterasys.com](http://enterasys.com)



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