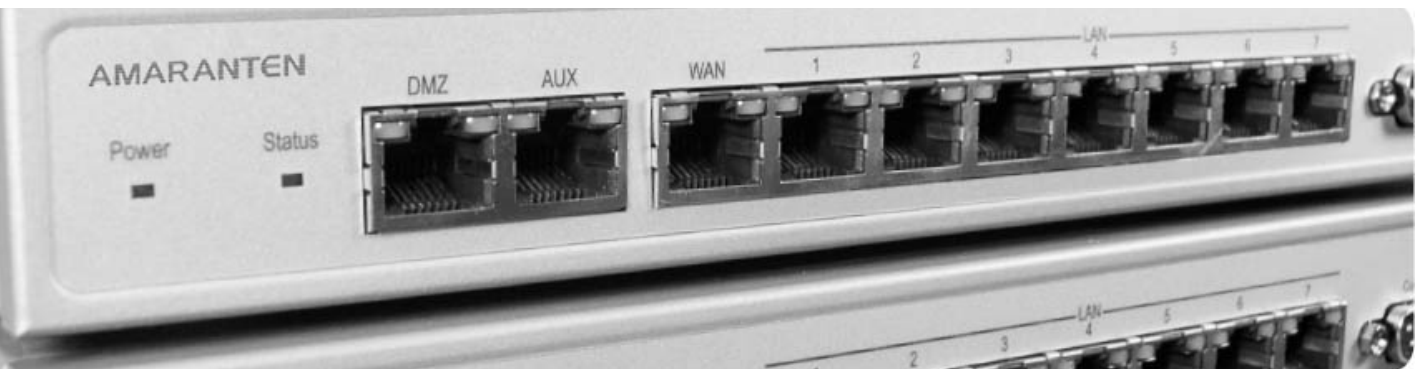


Security Gateway 500NP Series



Amaranten SSP™ Security Services Platform

firewall • VPN termination • intrusion prevention • anti-virus
anti-spam • content filtering • traffic shaping • authentication

AMARANTEN

Protecting Values



- **Firewall**
- **VPN**
- **Intrusion Detection & Prevention**
- **Web Content Filtering**
- **Anti-Virus**
- **Anti-Spam**
- **Virtualization Technologies**
- **Bandwidth Management**
- **User Authentication**
- **Server Load Balancing**
- **High Availability Clustering**

Amaranten Security Gateway 500NP Series

The Amaranten Security Gateway 500NP Series is a set of turn key, hardware-based, security products designed for small and medium-sized enterprises or similar organisations with equal needs and demands.

The 500NP Series is based on the same award winning technology as all Amaranten products which means extreme security, high performance and a versatile set of functionality.

Versatile Security Solutions

All Amaranten products are built to provide supreme and high-performing security at an unparalleled price performance ratio.

With a rich set of functionality such as Bandwidth Management, Office-to-Office VPN, User Authentication, High-Availability, Deep Inspection with Intrusion Detection and Prevention, Layer 7 Application Recognition, Content Filtering, Virtual Systems, Virtual Routers and Dynamic Routing capabilities, we do not only see our products as gateways in complex networks but also as business platforms that grow with your needs.

We will not let a product failure ruin your business

You are well aware of that the health of your network is mission-critical. You are also well aware that redundant backup security solutions are usually designed for large enterprises with a matching price tag.

At Amaranten we realized that even the smallest of networks is mission-critical, for its users. That's why we never hesitated to include High Availability backup support with interface failover functionality in the Amaranten Security Gateway 500NP Series.

Product Highlights

Modularity

With the 500NP series you can set security policies any way you want - from having a specific, detailed policy for every single user in your organisation to filtering by application, credentials, time of day or any one of a hundred other variables since we know that no two networks are alike.

Amaranten CorePlus™

At the heart of the 500NP Series, just as all Amaranten SSP products, lies an in-house developed, high-performance kernel with an invisible attack surface and air-tight component integration. We write every line of code ourselves to ensure that it all works perfectly together at staggeringly high performance levels. This stands in direct contrast to most security products on the market which piece solutions together from several different sources.

Big on Performance - Low on Maintenance

With the 500NP Series, just as with all other Amaranten products, there are no time-consuming upgrades and service pack installations to be done (as is common with many other vendors). Any upgrades that are required (to handle newly emerging threats, for example) are provided by the Amaranten Service Provisioning Network (CSPN).

Based on Amaranten Service Oriented Security (SOS)™

Our goal is to allow customers the benefit of granularity and provide the greatest freedom to configure and optimize their security solution to exactly meet their specific needs. Our SOS design philosophy means that, where possible, we avoid integrating third-party code.

Feature List

F500NP-Ltd-A F500NP-Ltd-B F500NP F500NP-UP

System Performance and Capacity

Plaintext Throughput (Mbps)	50	50	100	200
AES/3DES Throughput (Mbps)	10	10	40	40
Concurrent Connections	8,000	50,000	100,000	100,000
Concurrent VPN Tunnels	15	30	100	200
Ethernet Interfaces	3 x 10BASE-T/100BASE-TX + 7x 10BASE-T/100BASE-TX			
Virtual Interfaces (VLAN)	4	8	64	64
Virtual Routers	5	5	5	5

Feature List

500NP Series

Mode of Operation

Layer 2 Mode (Transparent Mode)	Yes
Layer 3 Mode (Route Mode)	Yes
Policy-Based NAT/PAT	Yes
Policy-Based Server Load Balancing	Yes
Virtual IP	Yes

Firewall

Network Attack Detection/Prevention	Yes
DoS and DDoS Detection/Prevention	Yes
TCP Reassembly	Yes

VPN – Virtual Private Networking

Encryption	AES, 3DES, DES, Blowfish, CAST-128
Authentication	SHA-1, MD5
IKE Modes	Main, Aggressive
Perfect Forward Secrecy (DH Groups)	1, 2, 5
X.509 Certificates, Pre-Shared Keys	Yes
PKI Certificate Requests	PKCS#7, PKCS#11
Self-Signed Certificates	Yes
IPsec NAT Traversal (NAT-T)	Yes
VPN Policy Selection Through	Firewall Rules Set, Routing, PBR
VPN Tunnel Keep-Alive	Yes
L2TP Client Server (LNS)	Yes
PPTP Client Server (PNS)	Yes

Intrusion Detection and Prevention

Stateful Pattern Matching	Yes
Protocol Anomaly	Yes
Rate Anomaly	Yes
Insertion/Evasion Protection	Yes
Dynamic IP Blacklisting	Yes
Automated Signature Updates	Yes
Stateful Signatures	Yes
Component-based Signatures	Yes
Application Blocking	Yes

Content Security

Web Content Filtering	Yes
Audit Mode	Yes
Blocking Mode	Yes
AMssification Categories	> 30
URL Whitelisting/Blacklisting	Yes
Anti-Virus	Yes
Stream-based Signatures	Yes
Automated Signature Updates	Yes
Per Device Signature Service	Yes

High Availability*

Firewall and VPN State Synchronization	Yes
Device Failure Detection	Yes
Dead Link, Gateway and Interface Detection	Yes
Interface Failover	Yes
Route Failover	Yes
Average Failover Time	< 800 ms

Feature List

500NP Series

Routing

Static Routing	Yes
Policy-Based Routing (PBR)	Yes
OSPF/OSPF over VPN	Yes/Yes
Multicast - IGMP	Yes
Source Base Routing	Yes
GRE	Yes

IP Address Assignment

Static	Yes
DHCP Client, Server and Relay	Yes
Proxy ARP	Yes
PPPoE	Yes

Application Layer Gateways

FTP/TFTP	Yes/Yes
SIP/H.323	Yes/Yes
NAT and SAT support	Yes
HTTP	Yes
SMTP/POP3	Yes/Yes

Bandwidth Management

Policy-based Bandwidth Management	Yes
Guaranteed Maximum Bandwidth	Yes
Dynamic Bandwidth Balancing	Yes
Priority Levels	Yes

Logging Monitoring

Amaranten Firewall Logger	Yes
Syslog	Yes
Real-time Log Viewer	Yes
Command-line Log Query Tools	Microsoft Windows, Linux
Log Export Format	CSV
Real-time Performance Monitoring	Yes
SNMP Polling/Traps	Yes

Management

Local Console	RS232
Command-line based Remote Management	Microsoft Windows, Linux
Graphical Enterprise Remote Management	Included in all products
Multi-Device Management	Yes
Remote Fail-safe Operation	Yes
Revision History	Complete Configurations

User Authentication

External RADIUS User Database	Yes, multiple servers
RADIUS Accounting	Yes
CHAP, PAP	Yes
Web-based Authentication	Yes
Customizable HTTP(s) Front-End	Yes
XAuth VPN Authentication	Yes

Dimensions and Weight

H x W x D (mm)	35 x 290 x 170
Weight	1,2 kg
Form Factor	Desktop
Power Supply (AC)	100-240V 50-60Hz
H x W x D (mm)	44 x 440 x 340
Weight	4,0 kg
Form Factor	1U
Power Supply (AC)	100-240V 50-60Hz

Regulatory and Safety Standards

Safety: UL	
EMC: FCC AMss A, CE AMss A	

Environmental

Humidity: 20% to 95% non-condensing
Operational Temperature: 0 to 55 C
Vibration: 0.41 Grms2 (3-500 Hz)
Shock: 30 G

* High Availability clustering only available for the Amaranten Security Gateway 500NP

Warranty

All products in the Amaranten Security Gateway 500NP Series come with a one (1) year standard RMA warranty and one (1) year Software Subscription covering all major and minor software releases counting from the Start Date.

Start Date means the earlier of Product registration following shipment from Amaranten.

Contact Information

General comments or questions:
tech@amaranten.com

Sales questions:
If you require product information, price lists, etc.
sales@amaranten.com

Partner questions:
Questions related to the Amaranten Partner Program
partner@amaranten.com

Technical Support:
support@amaranten.com

About Amaranten

Amaranten, a group member of Clavister is a leading provider of high performance, IT/IP security gateway solutions. Amaranten brings unsurpassed performance and comprehensive security solutions to IP networks. Amaranten security solutions are based on innovative European technology, targeted for Enterprise and Service Provider networks. Amaranten and its technology strategic alliance partner, Clavister AB, Sweden, have been recognized and awarded by International Trade Journals, and its security solutions are commercially deployed by thousands of satisfied global customers.

Amaranten was founded in Sweden 1997, and has strategic alliance with its sister company Clavister AB. Amaranten and Clavister security products and solutions are marketed, sold, and supported through sales offices, distributors, and resellers in Europe, Greater China, Asia Pacific, and the rest of the world.

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Part number: Amaranten-dis-F500NP