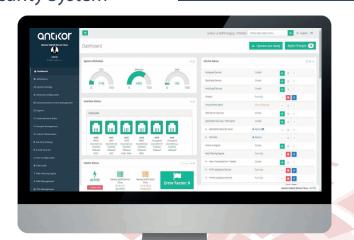


EPA-NGFW-M400 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-NGFW-M400 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of Branch Office networks with advanced security functions. It incorporates a Policy/Section Structure, Virtual Wire, Online and Offline Updates, IPsec VTI and TS Mode, HTTP API, and many other advanced features. It comes with all these features enabled out of the box and does not require a license.

Security

The Antikor NGFW product ensures the security of your network with advanced security functions. It provides maximum Independent security through an Management Port (reserved processor, separate Control Plane and Data Plane) and an Independent Cluster Port.

Performance

While executing security functions, it operates your network with maximum performance. Thanks to its robust network stack, it easily and efficiently meets the security and network needs of your enterprise network.

Network

- antikor - - - [] The Antikor NGFW product provides high-performance solutions with rich network features ranging from Layer 2 to Layer 7. It ensures full compatibility with your network through configuration flexibility. It strengthens your network with its security functions, enhancing overall network security.

Management

You can centrally manage the Antikor NGFW products deployed in your organization through Centralized Firewall Management (CFWM). It allows you to gather logs from multiple devices and perform centralized logging (CLM), enabling you to query and analyze the collected logs from a single point.





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Product Specifications





Operating Modes

OSI Layer 2 Transparent OSI Layer 3 Routing + Stealth Mode Virtual Wire

Routing

IPv4 / IPv6 Static Routing Policy Based Routing (PBR) OSPF - Open Shortest Path First Protocol BGP - Border Gateway Protocol RIP / RIPng - Routing Information Protocol PIM SM/SSM IGMP v2/v3 Multicast Routing **Routing Monitor**

Network Interface Specifications

Loopback Interface, IEEE 802.1Q VLAN support Link Aggregation:

LACP, Failover, Load Balance, Round Robin Bridging / STP / Ethernet Bypass Virtual Extensible LAN (VXLAN) NAT64, IPv6 6to4 Tunneling Static ARP PPP ve PPPoE Connection Interface

3G/4G/LTE Modem Support **Security Specifications**

Zone Based Firewall Application Security (ApplD) Honeypot Trapping Traffic Rate Limiting Multi-Policy, Section and Profile Support Time Based Security Policy Management IPS - Intrusion Detection and Prevention SPI - Statefull Packet Inspection DPI - Deep Packet Inspection http / https Web Filtering (SNI / DPI)

DNS Query Filtering Intf. Base Anti Spoof(Symmetrical and Asymmetrical) **MAC Based Quarantine**

MAC - IP Matching Control ARP Poisoning Protection Flood Intrusion Prevention

Anti Botnet Gateway Anti Virüs / Anti Malware SSH Inspection

DoS Prevention - Connection Limiting XFF Scan - Trusted Proxy Servers

Service Based Timeout Control

Email Security

Gateway Antispam *** Anti Virus / Anti Malware *** **Email Rate Limiting** RBL, MX, SPF, DKIM, DMARC Check **Email Quarantine** Gray Listing, Phishing Check Category and Rule Based Filtering

| VPN - Virtual Private Network | | |
|---------------------------------------|--|--|
| SSL VPN | | |
| Certificate Verification | | |
| User Credentials Verification (+ 2FA) | | |
| Authentication: | | |
| BLAKE2*, RSA*, SHA*, MD*, SHAKE* | | |
| Encryption: | | |
| AES*, ARIA*, CAMELLIA*, SEED*, SM4* | | |
| PPTP / L2TP VPN | | |
| IPsec VPN (Both VTI and Legacy Mode) | | |
| Site to Site VPN | | |
| GRE Tunnelling | | |
| IPsec VPN | | |

Encryption:

AES, CAMELIA, NULL_ENC, SERPENT, TWOFISH Authentication: MD5, SHA1, SHA256, SHA384, SHA512, AES

WildCard ID Support NAT Traversal Support

PKI - Public Key Infrastructure Support PSK - Pre Shared Key Support

Services Live Dashboard Automated Update System Offline Update Automatic Configuration Backup DHCPv4/v6 Server, Relay and Monitor Authenticated http/https Proxy Antikor® Shared Management-Virtual System QoS - Effective Bandwidth Management Time and Quota Adjustable Hotspot(Captive) Bandwidth Monitor Antikor® Registry Service Antikor® Announcement Service NetFlow Export Service

RADIUS Server and Proxy Domain Based http/https Forwarding https SSL Offload Service SNMP v2/v3 Service RRD Service

Number of Active Users and Bandwidth http/https Caching Domain Based Bandwidth Limiting Log Timestamping TUBITAK Kamu SM - Timestamp Integration

Syslog (TCP/UDP/TLS) - supported formats; RAW, CEF, EWMM, GELF, JSON, WELF, CIM Black Hole Service

LLDP Service GEO-IP Service

Campus Information Service

Antikor Central Management Integration and **Antikor Center Logging Integration**

| System Performance | M400A / M400B |
|---|---------------|
| NGFW Throughput (IMIX) | 400 Mbps |
| IPS Throughput (IMIX) *** | 450 Mbps |
| Firewall Throughput | 1,6 Gbps |
| Number of Concurrent Sessions (Million) | 0,4M / 0,8M |
| IPsec VPN Throughput (Total) | 250 Mbps |
| SSL VPN Throughput (Total) | 100 Mbps |
| Licensing | |
| | |

| 33E VI N Illiougilput (lotal) | roo mbps |
|--------------------------------------|----------|
| Licensing | |
| Out of Band Cluster(HA) Support | None |
| Number of Addressable CPU Threads | 4 |
| Number of IPsec VPN Tunnels | 32 |
| Number of SSL VPN Users | 128 |
| Number of WAN / LAN / DMZ Interfaces | 1/3/1 |
| | |

Management Interface Features

HTML5 Responsive Web Interface SSL Certificate based authentication 2FA - Two-Factor Authentication Customizing the Service Port Out of Band Management Plane Resource Reservation SSH Console

Physical Console (Monitor, Keyboard) Serial Console (If exists on hardware) Incident Notification Service SMS, Email, Brower Notification

| Authentication Method | • |
|-----------------------------|------------------|
| Mernis | |
| SMS | |
| Local User | |
| HTTP (API) | |
| LDAP | |
| RADIUS | |
| POP3 / IMAP | |
| SSO: Negotiate Kerberos - A | Active Directory |
| TACACS + | |

Product Certifications

Common Criteria EAL4 + **TRtest Product Conformity Certificate** 100% Turkish Product

Minimum Requirements

Min 8 Core Processor Min 16 GB Ram Min 500GB Solid State Disk MultiQueue Ethernet Card

- * Performance tests are performed with the following hardware:
- Intel Atom C-3758 Processor - Dual Channel 16 GB DDR4 2400MHz ECC RAM
- Intel i350 MultiQueue Ethernet Card

** All performance values may vary depending on environmental condiditions, system configuration and equipment.

*** These features require a minimum of 8 GB or more of memory.

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