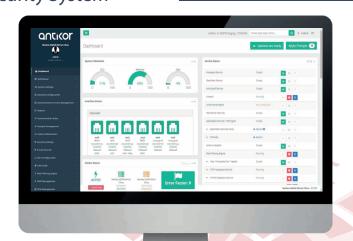


EPA-NGFW-M50 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-NGFW-M50 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of Micro SME 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

ONTIKOR ---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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EPA-NGFW-M50 Series

System Performance

Product Specifications





M50

1/1/0

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

Rou	ting	
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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
GRETunnelling
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

Campus Information Service LLDP Service

GEO-IP Service

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

NGFW Throughput (IMIX)	50 Mbps
IPS Throughput (IMIX) ***	100 Mbps
Firewall Throughput	700 Mbps
Number of Concurrent Sessions	50.000
IPsec VPN Throughput (Total)	60 Mbps
SSL VPN Throughput (Total)	30 Mbps
Licensing	
Out of Band Cluster(HA) Support	Yok
Number of Addressable CPU Threads	4
Number of IPsec VPN Tunnels	2

Management Interface Features
HTML5 Responsive Web Interface
SSL Certificate based authentication
2FA - Two-Factor Authentication
Customizing the Service Port

Number of WAN / LAN / DMZ Interfaces

Out of Band Management Plane Resource Reservation SSH Console

Number of SSL VPN Users

Physical Console (Monitor, Keyboard) Serial Console (If exists on hardware)

Incident Notification Service SMS, Email, Brower Notification

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

Product Certifications

Common Criteria EAL4 +

TRtest Product Conformity Certificate

100% Turkish Product

Minimum Requirements

Min 4 Core Processor Min 4 GB Ram Min 120GB Solid State Disk **Gigabit Ethernet Card**

* Performance tests are performed with the following hard	lware
- Intel Atom Processor	
- 4 GB DDR3 1600MHz Ram	
- 4 x Intel Gigabit 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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