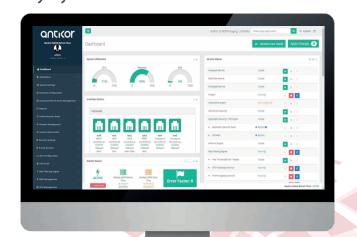


# **EPA-VFW-M700 Series**

**Next Generation Firewall** 







The Antikor Integrated Cyber Security System EPA-VFW-M700 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of Small Enterprise 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.









# **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
GRETunnelling
IPsec VPN

## Encryption:

AES, CAMELIA, NULL\_ENC, SERPENT, TWOFISH

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

RADIUS Server and Proxy Domain Based http/https Forwarding https SSL Offload Service

SNMP v2/v3 Service

NetFlow Export 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** 

System Performance	M700A / M700B
NGFW Throughput (IMIX)	700 Mbps
IPS Throughput (IMIX) ***	800 Mbps
Firewall Throughput	2,8 Gbps
Number of Concurrent Sessions (Million)	0,7M / 1,4M
IPsec VPN Throughput (Total)	500 Mbps
SSL VPN Throughput (Total)	250 Mbps
Discontinue	

#### Licensing Out of Band Cluster(HA) Support Number of Addressable CPU Threads Number of IPsec VPN Tunnels Number of SSL VPN Users 256 Number of WAN / LAN / DMZ Interfaces

#### **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 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**

VMware ESXi, Hyper-V, Proxmox Hypervisor At Least 8 Core AESNI Enabled CPU Min 16 GB Reserved RAM

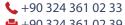
At Least 500GB Storage (At Least 10000 IOPS with 4KB Blocks) MultiQueue Ethernet Card

- \* All performance values may vary depending on environmental condiditions, system configuration and equipment.
- \*\* Ethernet Cards must be Configured as PassThrough, Hypervisor Virtual Ethernet Cards are not supported.
- \*\*\* These features require a minimum of 8 GB or more of memory.

eP-FR-79 Rev.02 / Release date: 01.04.2019 / Rev.date: 02.05.2021











Mersin Universitesi Ciftlikkov Kampusu Teknopark Idari Binasi Kat: 4 No: 411 Zip Code: 33343 Yenisehir / MERSIN / TURKIYE

