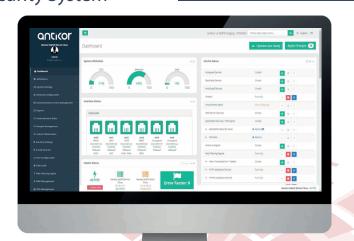


EPA-VFW-K100 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-VFW-K100 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

- 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 Monitor

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

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 Po<mark>licy Mana</mark>gement

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

Certificate Verification

User Credentials Verification (+ 2FA)

Authentication:

BLAKE2*, RSA*, SHA*, MD*, SHAKE*

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

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

System Performance	K100
NGFW Throughput (IMIX)	250 Mbps
IPS Throughput (IMIX) ***	300 Mbps
Firewall Throughput	1000 Mbps
Number of Users	100
IPsec VPN Throughput (Total)	140 Mbps
SSL VPN Throughput (Total)	75 Mbps
Licensing	

SSL VPN Throughput (Total) 75 Mbps Licensing Out of Band Cluster(HA) Support None Number of Addressable CPU Threads 4 Number of IPsec VPN Tunnels 10 Number of SSL VPN Users 48 Number of WAN / LAN / DMZ Interfaces 1/2/1

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 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 4 Core AESNI Enabled CPU

Min 8 GB Reserved RAM

At Least 240 GB 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.

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