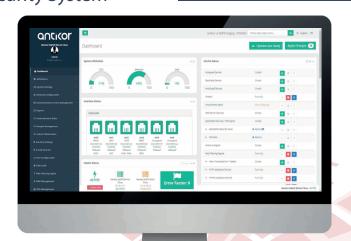


EPA-VFW-K50 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-VFW-K50 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

-anticor ---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-VFW-K50 Series

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	.10	VLAN	sup	oor
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

System Performance	K50
NGFW Throughput (IMIX)	150 Mbps
IPS Throughput (IMIX) ***	200 Mbps
Firewall Throughput	800 Mbps
Number of Users	50
IPsec VPN Throughput (Total)	100 Mbps
SSL VPN Throughput (Total)	50 Mbps
Licensing	
Out of Rand Clustor(HA) Support	Mono

SSL VPN Throughput (Total)	50 Mbps
Licensing	
Out of Band Cluster(HA) Support	None
Number of Addressable GPU Threads	4
Number of IPsec VPN Tunnels	6
Number of SSL VPN Users	20
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 120 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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