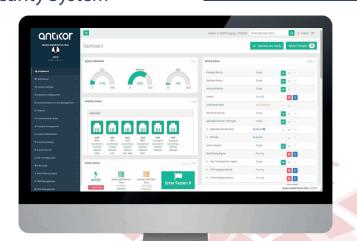


EPA-NGFW-G18 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-NGFW-G18 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of Large 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.



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EPA-NGFW-G18 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 802.1Q 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
IDsac VDN

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 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	G18A / G18B
NGFW Throughput (IMIX)	18 Gbps
IPS Throughput (IMIX) ***	20 Gbps
Firewall Throughput	72 Gbps
Number of Concurrent Sessions (Million)	18M / 36M
IPsec VPN Throughput (Total)	16 Gbps
SSL VPN Throughput (Total)	7 Gbps
Liconcina	

Licensing	
Out of Band Cluster(HA) Support	Active-Passive
Number of Addressable CPU Threads	24
Number of IPsec VPN Tunnels	2560
Number of SSL VPN Users	4.500
Number of WAN / LAN / DMZ Interfaces	Unlimited

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	7
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 12 Core / 24 Thread and later Processor
Min 64 GB Ram
Min 480GB NVMe Disk
MultiQueue Ethernet Card

- Performance tests are performed with the following hardware:
- Intel Xeon D-2181IT @2.20 GHz Processor - Dual Channel 64GB DDR4 2666MHz ECC RAM
- Intel X722 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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