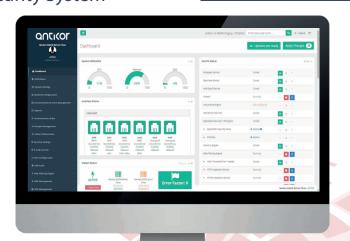


# **EPA-NGFW-G4 Series**

**Next Generation Firewall** 







The Antikor Integrated Cyber Security System EPA-NGFW-G4 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of 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

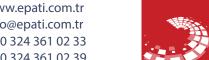
-anticor ---The Antikor NGFW product provides high-performance solutions with rich network features ranging from Layer 2 to Layer 7. It ensures full compatibility with your network through configuration flexibility. It strengthens your network with its security functions, enhancing overall network security.

# 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.







# EPA-NGFW-G4 Series

# **Product Specifications**





operating modes
OSI Layer 2 Transparent
OSI Layer 3 Routing + Stealth Mode
Virtual Wire

Kouting
---------

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
GRE Tunnelling
IPsec VPN

Encryption: AES, CAMELIA, NULL\_ENC, SERPENT, TWOFISH Authentication: MD5, SHA1, SHA256, SHA384, SHA512, AES

NAT Traversal Support PKI - Public Key Infrastructure Support

PSK - Pre Shared Key Support

WildCard ID 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

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

https SSL Offload Service

Black Hole Service Campus Information Service LLDP Service GEO-IP Service Antikor Central Management Integration and

**Antikor Center Logging Integration** 

System Performance	G4A / G4B
NGFW Throughput (IMIX)	4 Gbps
IPS Throughput (IMIX) ***	4,5 Gbps
Firewall Throughput	16 Gbps
Number of Concurrent Sessions (Million)	4M / 8M
IPsec VPN Throughput (Total)	4 Gbps
SSL VPN Throughput (Total)	2 Gbps
Discounting in	

Licensing	
Out of Band Cluster(HA) Support	Active-Passive
Number of Addressable CPU Threads	10
Number of IPsec VPN Tunnels	1024
Number of SSL VPN Users	2.048
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 10 Core and later Processor	
	Min 32 GB Ram	
_	Min 480 GB Solid State Disk	
	MultiQueue Ethernet Card	

- Performance tests are performed with the following hardware: - Intel Xeon D-2146NT @2.30 GHz Processor
- Dual Channel 32 GB 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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