

# antikor v2

Unified Cyber Security System

## EPA-NGFW-G18 Series Next Generation Firewall



Antikor v2 Unified Cyber Security System EPA-NGFW-G18 Series Next Generation Firewall (NGFW) is a Turkish national product that ensures safety of Data Center Grade networks with enhanced security functions. It provides high performance cyber security with flexible configuration, live dashboard and advanced security capabilities.

### Security



Antikor® v2 provides a safe and secure network with its advanced security functions. It contains defining application based policies and QoS with its next generation security functions. It detects and blocks the attacks with honeypot trap at the screening stage before it is realized.

### Network



Provides high performance solutions with enhanced network features from Layer2 to Layer 7. %100 complies with your network by flexibility of configuration. Securely consolidates your network with security functions.

### Performance



Operates your network with maximum performance while executing security functions. Provides enterprise networks security and network requirements easily and highly efficiently by its powerful network stack.

### Management



Menu and network based authorization through single interface even for all routed external locations provided by Shared Management Module of Antikor®.





# Product Specifications

<b>Operating Modes</b>
OSI Layer 2 Transparent
OSI Layer 3 Routing
<b>Routing</b>
IPv4 / IPv6 Static Routing
Policy Based Routing (PBR)
OSPFv2 / OSPFv3 - Open Shortest Path First Protocol
BGP - Border Gateway Protocol
Routing Monitor
<b>Ethernet Interface Specifications</b>
4094 IEEE 802.1Q VLANs for each port
Link Aggregation:
- IEEE 802.3ad LACP
- Failover
- Load Balance
- Round Robin
Bridging
Bridging - Rapid STP
Virtual Ethernet Interface
Static ARP
<b>Security Specifications</b>
Application Security (AppID)
HoneyPot Trapping
Traffic Rate Limiting
IPS - Intrusion Detection and Prevention
SPI - Statefull Packet Inspection
DPI - Deep Packet Inspection
Web Filtering (http / https)
DNS Query Filtering
IP Spoofing Prevention
MAC Based Quarantine
MAC - IP Matching Control
ARP Poisoning Protection
Flood Intrusion Prevention
Anti Botnet
Gateway Anti Virus / Anti Malware
<b>VPN - Virtual Private Network</b>
SSL VPN
PPTP / L2TP VPN
IPsec VPN
Site to Site VPN
GRE Tunnelling
<b>IPsec VPN</b>
Encryption: DES, 3DES, AES, BLOWFISH, CAST128, CAMELIA
Authentication: MD5, SHA1, SHA256, SHA384, SHA512, 3DES, DES
Wildcard ID Support

<b>System Performance</b>	
NGFW Throughput (Gbps)	18 Gbps
IPS Throughput (Gbps)	20 Gbps
Firewall Throughput (Gbps)	72 Gbps
Number of Concurrent Sessions	36 Million
IPsec VPN Throughput (Gbps)	16 Gbps
SSL VPN Throughput (Gbps)	7 Gbps

<b>Licensing</b>	
High Availability (HA) - Cluster Support	Active-Passive
Number of Addressable CPU Threads	64
Number of IPsec VPN Tunnels	256
Number of SSL VPN Users	4.500
Number of WAN / LAN / DMZ Interfaces	Unlimited

<b>Services</b>
Live Dashboard
Automated Update System
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 Portal
Active Directory, Kerberos, Mernis Integration
LDAP, RADIUS, SMS - OTP, POP3, SOAP, JSON, XML Service Integration
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
Number of Active Users and Bandwidth RRD Service
http/https Caching / Domain Based Bandwidth Limiting
Syslog, Log Timestamping

<b>Hardware Requirements</b>
Min 2 pieces 16 Core / 32 Thread Intel Xeon v4 and later Processor
Min 128 GB DDR4 2400 MHz RAM
Solid State Disk
Intel MultiQueue Server Ethernet Card

\* Performance tests are performed with the following hardware:

- Intel Xeon D-2183IT @2.20GHz Processor
- Dual Channel 128 GB DDR4 2666MHz ECC RAM
- 4 x Intel X722 MultiQueue Ethernet Card
- 4 x Intel i350 AM4 MultiQueue Ethernet Card

\*\* Note: All performance values may vary depending on environmental conditions, system configuration and equipment.

