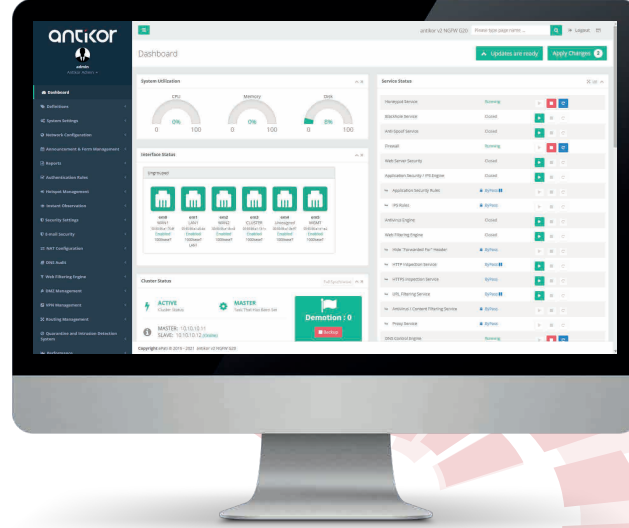


# antikor v2

Unified Cyber Security System

## EPA-NGFW-G1 Series Next Generation Firewall



COMMON CRITERIA  
EAL 4+



TRtest

Antikor v2 Unified Cyber Security System EPA-NGFW-G1 Series Next Generation Firewall (NGFW) is a Turkish national product that ensures safety of Middle Size Enterprise 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

## Operating Modes

OSI Layer 2 Transparent  
OSI Layer 3 Routing

## 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  
NAT64, IPv6 6to4 Tunneling  
Static ARP  
PPP ve PPPoE Connection Interface  
3G/4G/LTE Modem Support

## Security Specifications

Zone Based Firewall  
Application Security (AppID)  
HoneyPot Trapping  
Traffic Rate Limiting  
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 Virus / 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  
Site to Site VPN  
GRE Tunnelling

## 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  
Syslog - supported formats;  
RAW, CEF, EWMM, GELF, JSON, WELF, CIM  
Black Hole Service  
Campus Information Service  
LLDP Service  
GEO-IP Service  
Antikor Central Management Integration

## System Performance

NGFW Throughput 1 Gbps  
IPS Throughput 1,3 Gbps  
Antivirus Throughput 1 Gbps  
Firewall Throughput 4 Gbps  
Number of Concurrent Sessions 2 Million  
IPsec VPN Throughput (Total) 0,8 Gbps  
SSL VPN Throughput (Total) 0,4 Gbps

## Licensing

Out of Band Cluster(HA) Support Active-Passive  
Number of Addressable CPU Threads 16  
Number of IPsec VPN Tunnels 32  
Number of SSL VPN Users 1.000  
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  
Management Plane  
Resource Reservation  
SSH Console  
Physical Console  
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

Min 8 Core / 16 Thread Intel Xeon v4 and later Processor  
Min 32 GB DDR4 2400 MHz RAM  
500 GB Solid State Disk  
Intel MultiQueue Server 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 conditions, system configuration and equipment.

