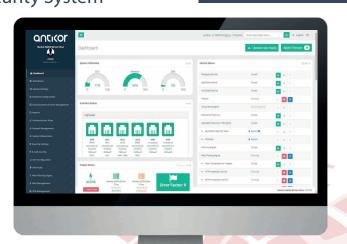


EPA-NGFW-G20 Series

Next Generation Firewall







The Antikor Integrated Cyber Security System EPA-NGFW-G20 Series Next-Generation Firewalls (NGFW) is a product that ensures the security of Data Center Grade 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.





ePati Cyber Security Technologies Inc.

EPA-NGFW-G20 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 - VILLUAI PLIVALE NELWORK
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

WildCard ID Support

Encryption: AES, CAMELIA, NULL_ENC, SERPENT, TWOFISH MD5, SHA1, SHA256, SHA384, SHA512, AES

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	G20A / G20B
NGFW Throughput (IMIX)	20 Gbps
IPS Throughput (IMIX) ***	22 Gbps
Firewall Throughput	80 Gbps
Number of Concurrent Sessions (Million)	20M / 40M
IPsec VPN Throughput (Total)	16 Gbps
SSL VPN Throughput (Total)	8 Gbps
Liconcina	

Out of Band Cluster(HA) Support Number of Addressable CPU Threads Number of IPsec VPN Tunnels Number of SSL VPN Users Number of WAN / LAN / DMZ Interfaces

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

Min 14 Core / 28 Thread and later Processor Min 128 GB Ram Min 960GB NVMe Disk MultiQueue Server Ethernet Card

- * Performance tests are performed with the following hardware:
- Intel Xeon 28 core 3.Gen. Processor
- Dual Channel 128 GB DDR4 ECC RAM
- Intel XL710 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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