

# Wi-Jungle®

Unified Network Security Gateway



## DataSheet – V750<sub>(Rev1)</sub>



WiJungle Anti-DDoS appliance with machine learning architecture secures organizations against emerging network and applications threats. It inspect complete inbound and outbound layer 3, 4 and layer 7 packets resulting in fast and precise detection and mitigation of threats. Being in industry, WiJungle very well understands necessities and challenges of different verticals like Enterprises, Hospitality, Education, Healthcare, BFSI, Transport, Retail, Defence etc. and helps them fulfil dynamic demands in highly cost-effective way along with Best Pre and Post sales services.

# Specifications (OS 9.8)

## Access/Interface Management

- Static, DHCP, PPPoE, PAP/CHAP Support
- Offers Inbuilt Database along with integration of Radius, TACACS/TACACS+, LDAP, SAML, AD with authentication suite & Centralized Auth Solution
- Authentication, Authorization & Accounting, Support Thin Client, Setup multiple VLAN, Zones, 803.1P, 803.1S, Location aware access, BYOD
- Clientless Device, IP-Mac bind, MAC Whitelist/Blacklist with auto-expiry.
- Admin/Users 2FA & 3FA via SMS, Email, GAuth, Twilio Authy etc.
- Software Bypass

## DDoS Mitigation

- Layer 3, 4 & 7 Inspection
- Flood/Sweep Detection
- Network Behaviour Analysis
- Application Anomaly Inspection via L3/L4/L7 HTTP Headers, DNS Headers & Payload, TCP state and transition anomalies, ICMP attacks, SSL Handshake, TCP/UDP based attacks etc
- Dynamic Filtering
- Protocol Analysis, Spoof Prevention
- Multilevel Policies
- Slow Connections, Aggressive Aging

## Bot Defence

- Proactive bot defence
- Headless Browser Detection
- Device Fingerprinting

## Access Rules

- Stateful / Stateless Inspection
- IP Intelligence & Control
- Block/Allow Bulk IP Addresses
- Geo Location Control
- DNS Domain Intelligence & Control
- Block/Allow Bulk Domains
- Predefined & Custom Signatures
- Auto Signature Update

## Thresholding

- Automatic adaptive thresholds for applications
- Machine Learning thresholds suggestions

## SSL Inspection (Decryption)

- Advanced TLS Stack
- Hardware acceleration
- Cipher Analysis: RC4, DES, 3DES, AES-CBC, AESGCM, AES-GMAC, RSA, DSA, DH, ECDSA, ECDH, MD5, SHA, SHA2 etc

## Network Management

- Deployment in Gateway and Inline Mode
- Detect/Prevent Mode, SPAN/TAP Mode, Packet Capturing
- NAT, Dyn. DNS
- Supports IP v4 & v6; NAT66, NAT64, DNS64; tunnel IPv6 over IPv4, IPv4 over IPv6
- Route - Static/Dynamic, OSPF/v3, BGP/v6, RIPv1/v2, IGMP, MLD, PIM, IS-IS, Babel, ECMP
- PB Routing, LLDP, HDLC, Upstream & Web Proxy

## Load Balancing

- Supports two or more ISP Links
- Deliver combined bandwidth output (LAG)
- Define traffic priority to links (Active-Active)
- Ensure failovers - Redirect traffic to active gateways (Active-Backup)

## Vulnerability Assessment (Opt.)

- Scans LAN Devices for vulnerability
- Generates summary and detailed reports of found possible threats

## Anti-Virus & Advance Threat Protection

- Virus, Worms, Trojan detection & Removal
- Spyware, Malware, Ransomware, Phishing, Bot, Pharming and C&C Attack Protection, IOC Intelligence (Optional)
- Dual Antivirus Engine (Optional)
- Zero Day Protect: Cloud Sandboxing (Optional)
- Automatic Virus Signature Database Update
- Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP
- Block files based on their type.
- Threat Logs with action.

## Content Filtering

- Web or URL (DNS and Certificate based) /IP/ Geography/Keyword/Port/Application Filter
- Block predefined categories on specific time Create | Edit | Delete Manual Categories & Add Exception

## Intrusion Detection & Prevention

- Signatures: Default (25000+), Custom
- IPS actions: Recommended, Allow & Drop packet
- SCADA aware IPS with pre-defined category for ICS & SCADA signatures.
- Automatic Signature updates via Cloud Protocol Anomaly Detection

## Alert Management

- Real-time alerts for compromised hosts etc.
- Real-time alerts to admin on link failure, ISP speed, Remote Access etc.
- Schedule Alerts for specific reports
- Alerts on platforms like Slack, Flock, Skype, Telegram, Trello & Email

## Reporting/Monitoring

- Graphical real-time logging and monitoring
- Change Logs, Daily/Weekly/Monthly Reports
- User, IP, Country, Protocol, Services, Bots, Internet, Threat, overall and user wise analytics
- Formats - PDF, CSV, HTML, Txt etc

## Logging

- Connection Logs
- Audit Logs
- Access Logs
- Config Changes Logs

## Highly User-friendly GUI

- Easy to operate/understand even by Non-Technical
- Create customizable view/dashboard
- English translation of every configuration

## High Availability

- Active-Active (Load Share & Network Share)
- Active-Passive with state synchronizations
- Stateful Failover to Keep-Alive Sessions

## System Management

- System Configuration Backup/Restore/Eraser
- Auto/Manual backup of User & Threat Logs
- Enable appliance & PMS remote access
- Set auto/manual firmware updates
- Create Child Admins and check logs
- Set Time Zone, SMTP Email
- Integrate Syslog, SIEM, SNMP, Netflow; Port Mirroring
- Access via Web GUI HTTPS, Console, SSH, SFTP, Telnet

## Troubleshoot

- Activity Timeline, DHCP Logs, Ping, Traceroute, DNS Lookup, Port Scan

## Third Party Integration

- Third party application Integration

## Custom Development

- Personalized development on request

## Hardware

- Memory - 8 GB or higher
- HDD/SSD - 500 GB or higher
- Ports - 6\*1 Gbps Copper (incl. a bypass pair), 2 SPF/SFP+
- Flexi Slots - 1 (8\*1G Copper or SFP/4\*1G Copper or SFP/4\*1G Copper + 4\*1G SFP/4\*10G SFP+/2\*10SFP+/2\*40G QSFP)
- 2 USB Ports, 1 VGA, 1 COM

## Power and Reliability

- 250W Power Supply with redundancy (Optional)
- Operating T - (-10°C~60°C), Storage T - (-20°C~80°C)
- Relative humidity - 5%-95%, no condense
- Vibrate - 0.5g rms/5-500HZ/random/operating

## Performance

- Inspected Throughput - 30.5 Gbps
- Inspected IMIX Throughput - 21.8 Gbps
- Max Mitigation Throughput - 15.7 Gbps
- Concurrent TCP Sessions - 21,000,000
- SSL/TLS TPS - 60K (RSA 2K), 40K (ECDHE)
- Latency - <50 micro seconds

## Support

- 24\*7 Call, Web Chat and Email Support