

Wi-Jungle®

Unified Network Security Gateway



DataSheet – V2000_(Rev1)



WiJungle Link Load Balancer appliance with machine learning architecture secures organizations against emerging network and applications threats. It is ideal for optimizing application performance by offloading compute intensive SSL transactions, and employing caching, compression etc. 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 auth suite & Centralized Auth Solution
- Authentication, Authorization & Accounting, Support Thin Client, Setup multiple VLAN, Zones, 802.1P, 802.1Q, Location aware & 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
- Certificate Management

Load Balancing

- Layer 2-7 load balancing
- Default load balancing like round robin, weighted round robin, least connections, shortest response etc
- Adaptive load balancing by CPU load, Memory, URL load etc
- Protocols – DNS, SSH, SMTP, IMAP, POP3, HTTP, HTTPS, FTP, SIP, RDP, RADIUS, MySQL, RTMP, RTSP etc supported
- Inbound and Outbound LLB
- Multiple health check target support

App Defence

- Website Cloaking
- Form validations, Captcha, DDOS Protection
- Protection against attacks like OWASP Top 10, SQL Injections, Cross site scripting, Cookie or form tampering, dos & XML/JSON validations, Bot detection
- Custom patterns along with predefined like Credit Card/ SSN/ PAN etc
- Web attack signatures
- TLS 1.3 & ECC Support

Acceleration

- SSL Offloading
- Caching & Compression
- TCP Connection Pooling

GSLB

- By priority, geo ip and region
- Health check between multiple sites
- DNSSEC

Firewall Management

- Stateful / Stateless Inspection
- IP Intelligence & Control
- Access Rules & Connection Control
- Block/Allow Bulk IP Addresses & Domains
- Geo Location Control
- DNS Domain Intelligence & Control
- Predefined & Custom Signatures
- Custom Scripting & Auto Signature Update
- Multi-Level Policies & vLoc Support

Network Management

- Deployment in Router, Transparent and Reverse Proxy Mode
- Detect/Prevent Mode, SPAN/TAP Mode, Packet Capturing
- NAT, Dyn. DNS, Web Proxy
- 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 Layer 4/7 application routing policy and server persistence

Internet Links

- Supports two or more ISP Links
- Deliver combined bandwidth (LAG – 802.3ad)
- Define traffic priority to links (Active-Active)
- Ensure failovers - Redirect traffic to active gateways (Active-Backup)

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

High Availability

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

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.

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

User Management

- Create User Groups & apply policies
- Social Media and Mobile No. based login
- ID & Password login - fixed users
- Easy Migration - Import/Export data
- Create users with auto-expiry, Renew & Block
- Live, Blocked and Total Users data
- Switch users from one group to other
- Restrictions based on device and OS.
- Set user session time, IP lease time
- Search sessions of a user via id/name, consolidated user and date wise

Captive Portal Capabilities

- 11 different types of captive portals
- Personalise Captive Page
- Customise captive form input fields
- Mobile/Desktop Responsive
- Social Media Based Login, MAC based auto login
- Promotions and Branding Options

Bandwidth Management

- Restrict Users based on data, b/w & time
- Define Enhanced Quality of Service (QoS)
- Individual and Shared Bandwidth Quota Configure multiple b/w policy on a user at different hours of day

Package Management

- Create Hourly and Day based Plans
- Set renew as automatic & Manual
- Configure conference/banquet hall plans
- Accounting based on hours, days, data transfer

Alert Management

- Real-time alerts to user on data consumption limit, voucher expiry 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
- 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
- App defence logs
- Config Changes Logs
- Admin/User events

Highly User-friendly GUI

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

System Management

- System Configuration Backup/Restore/Eraser Local, Email & FTP/SFTP Mode Supported
- Auto/Manual backup of User & Threat Logs
- Multiple System Images
- Set auto/manual firmware updates
- Create Child Admins and check logs
- Set Time Zone, SMTP Email
- Integrate Syslog, SIEM, SNMP, Netflow; Port Mirroring, Supports REST API
- Access via Web GUI HTTPS, Console, SSH, SFTP, Telnet

Troubleshoot

- Activity Timeline, DHCP Logs, Ping, Traceroute, DNS Lookup, Port Scan, Tcpdump, GUI Packet Capture. Led Warning

Third Party Integration

- Third party application Integration

Custom Development

- Personalized development on request

Hardware

- Memory - 16 GB, SSD - 500 GB/1 TB
- Ports - 8*1 GE incl. 2 Pair Bypass
- Flexi Slot - 2 (Per Slot - 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

- 220W 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

- L4/L7 Throughput – 90 Gbps
- SSL Throughput - 56 Gbps
- L4 New Sessions Per Sec – 16,000,000
- L7 New Sessions Per Sec – 4,300,000
- SSL/TLS Sessions Per Sec – 60K(RSA), 40K(ECC)
- L4 Concurrent Sessions – 32,500,000
- Max VLoc Supported - 50

Support

- 24*7 Call, Web Chat and Email Support