

Wi-Jungle®

Unified Network Security Gateway



DataSheet - DNS - U500EX_(Rev1)



WiJungle DNS Security appliance with machine learning architecture secures organizations against emerging network and applications threats. It is ideal for protecting the site outages and improve DNS & application performance. 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 9.7)

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, Setup multiple VLAN, LAN/WAN/DMZ Zones
- IP-Mac bind
- Admin/Users 2FA & 3FA via SMS, Email, GAuth, Twilio Authy etc.
- Software Bypass

DNS Management

- Authoritative & Recursive Mode
- DNS over TCP/UDP Support
- DNS over HTTPS & DNS over TLS Support
- Zone & Subzone Management
- DNS Caching

DNS Load Balancing

- Default load balancing like round robin, weighted round robin, least connections, shortest response etc
- Multiple health check target support

DNS Defence

- Neutralize DNS Tunnel
- DDoS & DNS Amplification Protection
- DNS based exploits Protection
- DNS Cache Poisoning Protection
- DNS hijacking & Data exfiltration protection
- DNS Rebinding Dangling DNS & Wildcard DNS Record Protection
- DNSSEC

Domain Defence

- Predict and Block New Malicious Domains including Malware C2 or data theft
- Block DGAs with the help of machine learning
- DNS Sinkholing
- Content Filtering (Block/Allow predefined & Manual categories)

Intrusion Detection & Prevention

- Signatures: Predefined as well as Custom
- IPS actions: Recommended, Allow & Drop packet
- Protocol Anomaly Detection Behaviour Detection
- Automatic Signature updates via Cloud

GSLB

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

Firewall Management

- Stateful Access & Local Rules
- IP Intelligence & Control
- Block/Allow Bulk IP Addresses
- Geo Location Control
- DNS Domain Intelligence & Control
- Block/Allow Bulk Domains
- vLoc Support

Network Management

- Deployment in Transparent and Standalone Mode
- NAT, Dyn. DNS
- Supports IP v4 & v6
- Route - Static/Dynamic, OSPF/v3, BGP/v6, RIPv1/v2

Internet Links

- 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.)

- Scan Devices for vulnerability
- Generate Summary and detailed reports of found possible threats
- Automatic Signature updates via Cloud

Identity Management

- Find User Identity by integrating with Provider API's

High Availability

- Active-Active
- Active-Passive with state synchronizations
- Stateful Failover to Keep-Alive Sessions

Alert Management

- Real-time alerts to user on attacks, top trends 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
- DNS defence 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
- Community Support

System Management

- System Configuration Backup/Restore/Erase
- Auto/Manual backup of Logs
- Set auto/manual firmware updates
- Create Child Admins and check logs
- Set Time Zone
- SMTP Email
- Integrate Syslog, SIEM, SNMP, Netflow;
- Access via Web GUI HTTPS
- Access via Console
- Access via SSH
- Centralized Management(Opt.)
- Seamless Integration with other Wijungle Products

Troubleshoot

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

Third Party Integration

- Third party application Integration

Custom Development

Personalized development on request

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

Support

- 24*7 Call, Web Chat and Email Support

Hardware

- Memory - 16 GB or Higher
- HDD/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*10G SFP+)
- 2 USB Ports
- 1 VGA
- 1 COM

Performance

- Query Throughput – 650,000
- Latency – <60 micro seconds