

# Wi-Jungle®

Unified Network Security Gateway



## DataSheet - U3500<sub>(Rev1)</sub>



WiJungle is a Unified Network Security Gateway that enables organizations to manage and secure their entire network through a single window. The All-In-One appliance has been designed & engineered to combinedly serve the functionalities of Next-Gen Firewall/UTM, Hotspot Gateway, WAF etc. Its Linux based scalable architecture, gives the leverage to integrate third-party services with ease. 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

## Access/Interface Management

- Static, DHCP, PAP/CHAP Support
- Offers Inbuilt Database along with integration of Radius, TACACS/TACACS+, LDAP, Centralized Auth Solution & AD with authentication suite
- Authentication, Authorization & Accounting, Support Thin Client, Setup multiple VLAN, Zones
- Location aware access, BYOD
- Clientless Device, IP-Mac bind, MAC Whitelist/Blacklist with auto-expiry.

## User/Guest 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.

## 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

## Content Filtering

- Web or URL (DNS aware Certificate based) /IP/ Geography/Keyword/Port/Application Filter
- Block predefined categories on specific time
- Create | Edit | Delete Manual Categories & Add Exception
- Country based traffic control, Filtering Logs

## Data Leakage Prevention

- Block email attachments, cc, bcc & other
- Restricts file upload over HTTP, FTP, P2P and other file sharing applications.
- Blocks Chat conversations based on pre-specified words and file transfer over IM.
- Controls file upload over HTTPS/SSL websites
- Logging & reporting in accordance to HIPAA, CIPA, PCI DSS compliance

## 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)

## 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

## Voucher Management & PMS

- Instant voucher generation in printable formats, Prepaid & Postpaid billing
- PMS/HIS integration
- Create cash & cashless vouchers based on policy
- Voucher generations based on room type
- Switch user from one policy to another on same voucher
- Reporting based on room and voucher

## Firewall & Network Management

- Stateful & Deep Packet Inspection Firewall
- Application Visibility & Control
- Stops all types of DoS; Prevents DNS Spoofing & Flooding, Bypass Websites, Packet Capturing
- NAT & Access Rules, FQDN, DNS Forwarder & Port Forwarding, IP Summary, Dynamic DNS
- Supports IP v4 & v6; NAT66, NAT64, DNS64; tunnel IPv6 over IPv4, IPv4 over IPv6
- Route - Static/Dynamic, OSPF, BGP, RIP
- Policy based Routing, Upstream & Web Proxy

## User Session Management

- Set user session time, IP lease time
- Search sessions of a user via id/name, consolidated user and date wise

## High Availability

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

## Anti-Spam

- Inbound and Outbound Scanning
- IP & Domain Black list/White list
- Real time blacklist, MIME header check

## Anti-Virus & Advance Threat Protection

- Virus, Worms, Trojan detection & Removal
- Spyware, Malware, Ransomware, Phishing, Bot & Pharming Protection
- Dual Antivirus Engine
- Zero Day Protect - Cloud Sandboxing (Opt.)
- 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 (35000+), Custom
- IPS actions: Recommended, Allow & Drop packet
- Automatic Virus Signature Database Update
- SCADA aware IPS with pre-defined category for ICS & SCADA signatures.
- Automatic Signature updates via Cloud Protocol Anomaly Detection

## Web Applic. Firewall/Server Protection

- Site path routing to define real web servers, ensuring incoming requests are forwarded
- Reverse Authentication verification when a real web server does not support authentication
- Ensures user needs to authenticate once if multiple real web servers assigned to a virtual server
- Supports HTML rewriting, antivirus scanning, and SQL injection/XSS protection

## Vulnerability Assessment

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

## Zero Configuration - Networking

- No Network Settings required on client side
- Complete customer satisfaction
- Plug-n-Play Solution

## SMS Gateway

- Pre-configured gateway
- Unlimited authentication SMS (India Only)
- Manual/Auto SMS Sending
- Click -n-Configure Custom Gateway
- Facilitates different message templates

## Guest Personalization

- Automatically sends Thank You sms on checkout
- Automatically Wish guests on their birthdays
- Wish them on every festive day

## Social Media Engagement

- FB Check-in / Page Like Option; Google Review
- Promotional Image/Video

## Feedback Management

- Create multiple customized feedback forms
- Collect all responses & get analytics

## 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
- User, Internet, Threat, Social, System based overall and user wise analytics

## Surfing Logs

- Records surfing logs of each user
- Inbuilt storage for a complete year
- Search logs based on time, user, IP and site

## AP/Device Management

- Configure & Manage multiple access points
- Currently Supported APs – Engenius & Ruckus.
- Option to Reboot, Check Connected Users, Change Password
- Add different network devices, get notification & analytics if physically up/down

## Virtual Private Network

- SSL VPN - TCP/UDP Tunneling
- IPSec (Route & Policy based) with failover, L2TP, PPTP
- Encryption – 3DES, DES, AES, Twofish, Blowfish, Serpent
- Hash Algorithms - MD5, SHA-1, SHA-2
- Authentication - Preshared key, Digital Certificates
- Diffie Hellman Groups - 1, 2, 5, 14, 15, 16, 17, 18, 25, 26, 19, 20, 21, 31
- Threat Free Tunneling (TFT), Hub & Spoke VPN Support, IPSec NAT Traversal
- Dead Peer Detection & PFS Support
- SSL Authentication – AD, LDAP, Radius, Local
- Multi-Layer Client Authentication - certificate, Username/Password
- Network Access - Split and Full Tunneling
- Granular Access Control to all network resources
- Administrative controls - Session Timeout, Deed Peer Detection
- TCP based Application Access - HTTP, HTTPS, RDP, TELNET, SSH
- User and Group policy enforcement
- SSL VPN Tunneling Client, CISCO Client Support

## Seamless Roaming

- Seamless connectivity from wired to wireless network
- No authentication again, Login once

## Highly User-friendly GUI

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

## 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

## System Management

- System Configuration Backup/Restore/Erse
- 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, SNMP, Netflow

## 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 - 48 GB, SSD - 1 TB
- Ports - 10\*1G Copp., 4\*1G SFP incl. 4 pair bypass
- Expansion Slots - 8 (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

- 550W (1+1) PSU, 90-264V@47-63Hz
- Operating T - (0°C~45°C), Storage T - (-20°C~80°C)
- Relative humidity - 5%-95%, no condense
- Vibrate - 0.5g rms/5-500HZ/random/operating

## Performance

- Firewall Throughput (UDP) - 93 Gbps
- Firewall IMIX Throughput - 45.5 Gbps
- IPS Throughput - 22.1 Gbps
- NGFW Throughput - 19.7 Gbps
- Threat Prevention Throughput - 8.5 Gbps
- IPSec VPN Throughput - 12 Gbps
- Concurrent Sessions - 32,000,000
- New Sessions Per Sec - 255,000
- No. of IPSec VPN Tunnels - 10000
- No. of SSL VPN Peers - 3750

## Support

- 24\*7 Call and Email Support