![Wi-Jungle logo] Wi-Jungle®
Unified Network Security Gateway

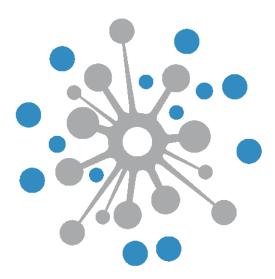# DataSheet – U1000X

WiJungle Router is a Network Gateway that enables organizations to manage their entire network through a single window. Its 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.

www.wijungle.com

Specifications (OS 9.8)

Access/Interface Management
- Static, DHCP, PPPoE, PAP/CHAP, 3G/4G 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, VXLAN, Zones, 802.1P, 802.1S, 802.1Q, 802.1X,802.3ad, Jumbo Frame
- Location aware access
- Clientless Device, IP-Mac bind, MAC Whitelist/Blacklist with auto-expiry.
- Admin/Users 2FA & 3FA via SMS, Email, GAuth, Twilio Authy etc.

Network Management
- Stateful & Deep Packet Inspection Firewall
- NAT & Access Rules, FQDN, DNS Forwarder, DNS Proxy, Port Forwarding, IP Summary, Dyn. DNS, RTP with cRTP suport
- Supports IP v4 & v6; NAT66, NAT64, DNS64; tunnel IPv6 over IPv4, IPv4 over IPv6

Routing
- Static Route
- BGP, MP-BGP, Babel, LDP, EIGRP, ISIS, OSPFv2, OSPFv3, PIM, PIMv6, PBR, RIP, RIPng
- NHRP, BMP, Route Map, Affinity Map, BFD, MPLS, TE Support, Multicast Support, IGMP, VRF, Segment Routing, EVPN , MSDP

User Management (Opt.)
- 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

Bandwidth Management (Opt.)
- Restrict Users based on data, b/w & time
- Define Enhanced Quality of Service (QoS)
- Individual and Shared Bandwidth Quota
- B/W policy on a flow/user/ip/mac/subnet /network/user group/DSCP & ToS Bits

Content Filtering (Opt.)
- Web or URL (DNS awa 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, Deep Packet Inspection & Visibility

Load Balancing (Opt.)
- 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), support latency, packet loss, latency etc based failover

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

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

Intrusion Detection & Prevention (Opt.)
- Signatures: Default (40000+), Custom
- IPS actions: Recommended, Allow & Drop packet
- SCADA aware IPS with pre-defined category for ICS& SCADA signatures.
- Automatic Signature updates via CloudProtocol Anomaly Detection

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

Virtual Private Network (Opt.)
- SSL VPN - TCP/UDP Tunnelling
- IPSec (Route & Policy based for IKEv1, IKEv2) with failover, L2TP, PPTP, MACsec, GRE
- 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 Tunnelling (TFT), Hub & Spoke VPN Support, IPSec NAT Traversal, HW Acceleration
- Dead Peer Detection & PFS Support & GDOI
- SSL Authentication – AD, LDAP, Radius, Local
- Multi-Layer Client Authentication - certificate, Username/Password
- Network Access - Split and Full Tunnelling
- 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 Tunnelling Client, CISCO Client Support
- Certificate Management
- SD-WAN Support (Opt.)

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/Erase
- Auto/Manual backup of User & Threat Logs
- Enable appliance remote access
- Set auto/manual firmware updates
- Create Child Admins and check logs
- Set Time Zone, NTP Server/Client, SMTP Email
- Integrate Syslog, SNMP, Netflow; Port Mirroring (Opt.)
- Access via Web GUI HTTPS, Console, SSH, SFTP, Telnet
- Central Management (Opt.)

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

Third Party Integration
- Third party application Integration

Support
- 24*7 Call and Email Support

Hardware
- Memory - 16 GB or higher, SSD – 1TB or higher
- Ports - 10*1G Copper incl. 2 pair bypass, 4*1G SFP
- Expansion Slots - 4 (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 COM, 1 VGA, 1 OOB(Opt.)

Power and Reliability
- 105W with redundant supply (optional)
- Oper. T - (-10°C~60°C), Storage T - (-20°C~80°C)
- Relative humidity - 0%-90%, no condense
- Vibration - 0.5g rms/5-500HZ/random/operating

Performance
- Throughput - 320 Gbps
- Packet Forwarding Rate – 238 MPPS
- IPv4/IPv6 Routes – 1,500,000 / 1,500,000
- Multicast Routes – 20,000
- VPN Tunnel – 4200
- Mac Addresses – 4,000,000
- QoS Queues – 65,536
- MTBF – 550,000 Hours