

W i f i - s o f t

## **DATASHEET**

### **UniBox U-500** Network Access and Bandwidth Controller **ver. 3.0**

UniBox is an intelligent access controller combined with comprehensive billing and bandwidth management solution. UniBox allows network administrators centrally manage wired and wireless networks, avoid unauthorized access and track real-time activity on the network.



[www.wifi-soft.com](http://www.wifi-soft.com)



+91 (20) 3018 5500



[sales@wifi-soft.com](mailto:sales@wifi-soft.com)

W i f i - s o f t

### **UniBox U-500** Network Access and Bandwidth Controller **ver. 3.0**

D A T A S H E E T

# UniBox U-500

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox U-500 is an all-in-one controller appliance that combines the functions of a wireless LAN controller, hotspot gateway, AAA server, web server, load balancer, web logger, VPN server, policy server and firewall in a single box. It also comes with a comprehensive reporting and analytics tools for analyzing and tracking network activity of all users. UniBox can be deployed as a standalone appliance or can function with WiFiLAN OSS/BSS.

UniBox U-500 belongs to the UniBox family of controllers that are specially designed for managing network access in large venues like airports, 5-star hotels, schools, universities and public hotzones. U-500 is capable of handling 500 concurrent user sessions and is built on a reliable Linux platform to provide high availability and performance.

## CAPTIVE PORTAL



# EXCLUSIVE FEATURES

## Multiple Hotspots

Create multiple hotspots to own and operate wifi at multiple locations simultaneously with one device.



## G-Suite Integration

Integrate your Wifi with G-Suite to access all of Google's magic with just one password.

## Group Based Content Filtering

Classify bandwidth, filter URL, access control and other features as per user groups.



## Automatic Cloud Sync

Sync data automatically or enable automatic updates and increase your productivity.

## Virtual PMS

Don't have a Property Management System (PMS)? Don't worry. Deliver the same user experience as a PMS system with your Wifi controller at NO additional cost.



## LDAP/ AD Integration

Why use different passwords for Email, Wifi and other login portals? Now, use a single password to access everything you need!

# NEW & IMPROVED FEATURES



AP Controller & NMS



Automatic Software Upgrades



Social Media Integration



Better Throughput



Bandwidth Monitoring



VPN Server



Enterprise Configuration Enabled



External DHCP Support



VLAN Enabled



Upgraded GUI



Traffic Analysis



Firewall



Multi-WAN & Load Balancer



Configurable Portal Templates



Branch Networking



Remote Sys Logger

# FEATURES

## Universal Controller

- ▶ Wired/Wireless Access Controller
- ▶ Captive Portal System
- ▶ Hotspot Billing
- ▶ Built-in AAA/RADIUS Server
- ▶ On-board DHCP Server
- ▶ User Database

## Networking

- ▶ Multiple LAN Subnets
- ▶ VLAN Support
- ▶ WAN Load Balancing & Failover
- ▶ VPN Server
- ▶ Branch Networking
- ▶ Group-based Routing
- ▶ Network Monitoring

## User Management

- ▶ Automated User Provisioning
- ▶ Per-User Rate Limits
- ▶ MAC-based Authentication
- ▶ Approval-based Registrations
- ▶ User Groups
- ▶ LDAP/AD/GSuite Integration

## Policy Manager

- ▶ Bandwidth Rate Limiting
- ▶ Time and Data Quota Limits
- ▶ Dynamic Bandwidth Allocation
- ▶ Group-based Policies
- ▶ Fair Usage Policy
- ▶ Date/Time Policies

## Reporting

- ▶ Online Users
- ▶ Usage Reports
- ▶ Social Media Profiling
- ▶ Revenue Reports
- ▶ PMS & Voucher Reports
- ▶ Network Monitoring Reports
- ▶ Automated Reporting

## Hotspot Billing

- ▶ Billing Plans
- ▶ Payment Gateway Integration
- ▶ Access Codes / Vouchers
- ▶ Integration with Multiple PMS Vendors
- ▶ Tiered Billing
- ▶ Automated Emails

## AP Controller

- ▶ Management Dashboard
- ▶ AP Provisioning
- ▶ Central AP Configuration
- ▶ Auto-discovery
- ▶ Heatmaps
- ▶ Traffic Analysis

## Captive Portals

- ▶ Template-based Captive Portals
- ▶ Multiple Login Methods
- ▶ On-based Portal Server
- ▶ Two-Factor (SMS/OTP) Logins
- ▶ Social Media Login

## Compliance

- ▶ Group-based URL Filtering
- ▶ Web Logging & Archiving
- ▶ TRAI/DoT Compliance
- ▶ User Isolation
- ▶ MAC Blacklist

## WiFi Advertisement

- ▶ Portal Page Advertisement
- ▶ Multimedia Content
- ▶ Targeted Advertisement
- ▶ Pre-login and Interstitial Ads
- ▶ Advertisement Reports

## Other

- ▶ Remote Syslogs
- ▶ Automatic Updates
- ▶ Role-based Administration
- ▶ Audit Trails
- ▶ Diagnostic Tools



## TECHNICAL SPECIFICATIONS

### Interface

6 Ethernet Port (RJ-45) – 10/100/1000 base T/Tx  
2 Optional SFP + 10G ports  
Intel chipset  
Console port  
2 USB ports

### Networking

Static & Dynamic routing  
DNS & DHCP server  
Layer 2 isolation  
VLAN tagging  
SNMP v2c support  
NTP (RFC 1305) support

### Power Rating

User Sessions :500 user sessions  
Input Voltage : 230V AC  
Power Consumption : 10W  
Heat Dissipation : 300 BTU

### Compliance

CE Emission  
FCC Class A, RoHS

### System Performance

Concurrent User Sessions : 500  
Data Throughput : 860 Mbps (auth)  
921 Mbps (no-auth)

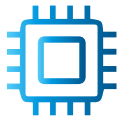
Form Factor: Rackmount - 10  
Physical Dimensions: 482 x 680 x 44 mm  
Net Weight : 4 kgs or 8.8 lbs (approx)

Operating Temperature : 5°C to 50°C  
Non-condensing Humidity : 8% - 90%

### Physical Property

#### Dimensions

#### Environmental



## IDEAL FOR



Airports



Hospitals



Hotels & Enterprises



Schools



Public Venues



Shopping malls



Medium Size Offices

Wifi-soft LLC  
815-A Brazos St, Suite 326  
Austin, Texas - 78701 U.S.A.

Wifi-soft Solutions Pvt. Ltd.  
C-410, Teerth Technospace  
Baner, Pune - 411045, India

Wifisoft Global FZE  
P.O.Box - 120360,  
Sharjah, UAE