

W i f i - s o f t

# DATASHEET

## UniBox U-2500

Network Access and  
Bandwidth Controller

UniBox is an intelligent access controller or hotspot gateway that provides complete control on your wireless network. UniBox allows network administrators to centrally manage wired and wireless networks, avoid unauthorized access and track realtime activity on the network.

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Bandwidth Controller

D A T A S H E E T

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# UniBox U-2500

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox U-2500 comes with a captive portal engine, bandwidth control, policy manager, URL tracker, billing system, voucher management, URL filtering, reporting and advertisement engine. UniBox can be operated in stand-alone or remote RADIUS mode where it seamlessly interfaces with WiFiLAN Cloud hotspot manager.

UniBox U-2500 belongs to a family of UniBox controllers that is specially designed for managing network access in small venues like cafes, restaurants, small hotels/inns, training institutes, small offices and public Wi-Fi hotspots. U-2500 is capable of handling 2500 concurrent user sessions and is built on reliable Linux platform to provide high availability and performance for small-sized networks.

## CAPTIVE PORTAL



# FEATURES

## Hotspot Gateway

- ▶ Deployed as wireless hotspot gateway
- ▶ All-in-one hotspot appliance
- ▶ Captive Portal Redirection
- ▶ AAA(RADIUS) authentication
- ▶ On-board user management
- ▶ Multiple login methods

## Bandwidth Control

- ▶ Upload and download rate limiting
- ▶ Group-based bandwidth control
- ▶ Prioritize packet based on traffic rules
- ▶ Daily quota on users and groups
- ▶ Bandwidth shaping based on user load
- ▶ Multi-WAN / Load balancing / Failover

## Captive Portal

- ▶ Click and customize captive portals
- ▶ Over 17 different login methods
- ▶ Locally hosted captive portal
- ▶ Two-factor/SMS/OTP login
- ▶ Social Media Logins
- ▶ Mobile friendly designs

## BYOD Appliance

- ▶ BYOD implementation
- ▶ BYOD device on boarding
- ▶ Intuitive self-service portals for users
- ▶ Auto MAC binding to approved BYOD devices
- ▶ Group-based private server pools
- ▶ Isolate guest traffic from private network

## Miscellaneous

- ▶ Hotspot Advertisement (Hotspotclicks)
- ▶ Voucher receipt printer
- ▶ Social media integration
- ▶ AP Management (UniMax only)
- ▶ Device Monitoring & Alerts
- ▶ WISPr Compliant
- ▶ Diagnostics Tools

## Hotspot Billing

- ▶ Leading payment gateway integration
- ▶ Voucher Management System
- ▶ PayPal integration
- ▶ Automated Email Templates
- ▶ PMS integration
- ▶ Revenue Reports

## Reporting

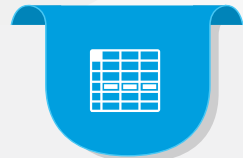
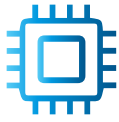
- ▶ Data usage reports
- ▶ CDR/Session History
- ▶ Site visited & top websites
- ▶ Real time System Reports
- ▶ Online Users
- ▶ Social Media Analytics

## Policy Management

- ▶ Implement fair usage policy on user groups
- ▶ Time of day/day of week access rules
- ▶ Vary user speed based on current load
- ▶ Contention ratio based bandwidth allocation
- ▶ Variable bandwidth policy
- ▶ Re-login Policy

## Legal Compliance

- ▶ Two-factor (SMS) authentication
- ▶ URL capture and logging
- ▶ User session tracking & logging
- ▶ Group based content filtering
- ▶ Audits Reports
- ▶ Remote Syslogs



## TECHNICAL SPECIFICATIONS

### Interfaces

4 LAN Port – Gigabit Rx/Tx  
 1-2 WAN Port – Gigabit Rx/Tx  
 Service Port – Gigabit Rx/Tx (optional)  
 3G/4G USB/Mini PCI (optional)  
 2 USB Ports  
 1 Serial Port  
 1 VGA Port

### Networking

Static & Dynamic Routing  
 DNS & DHCP Server  
 Layer 2 isolation  
 VLAN Tagging  
 SNMP v2c support  
 NTP (RFC 1305) support

### Users

Supports 2500 concurrent users  
 Unlimited offline users

### Power Rating

Input Voltage :	110-240V, AC
Power Consumption :	220W
Heat Dissipation :	300 BTU

### Compliance

CE Emission  
 FCC Class A, RoHS

Form Factor	1U Rackmount
Physical Dimensions	430 x 280 x 46 mm
Net Weight	3.2 Kgs
Color	Light silver black
Operating Temperature	-10 C to 60 C
Non-condensing Humidity	5% - 95%
Vibrations	0.5g rms/5-500HZ/random
Fan cooling structure	Yes

### Physical Property

#### Dimensions

#### Environmental

## IDEAL FOR



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