

Wifi-soft  
**DATASHEET**

**UniBox U-500**  
Network Access and  
Bandwidth Controller

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

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# UniBox U-500

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox comes packaged with a built-in AAA (RADIUS) server, complete billing and reporting engine, bandwidth control, URL tracking, captive portals and policy manager that allow administrator complete control on their public access networks.

UniBox U-500 belongs to a family of UniBox controllers that is 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 reliable Linux platform to provide high availability and performance for medium-sized networks. It provides dual PSU to ensure maximum uptime in case of power supply failure.

## 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
- ▶ Flexible billing options

## Policy Manager

- ▶ 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

## Captive Portal

- ▶ Click and customize captive portals
- ▶ Support Internal & external captive portal
- ▶ Upload external portal on local storage
- ▶ Two-factor/SMS-based login
- ▶ Multiple login methods
- ▶ Mobile friendly designs

## Reporting

- ▶ Data usage reports
- ▶ Browsing patterns & top visited sites
- ▶ Real time System Reports
- ▶ Online Users
- ▶ Customer Profiling Analysis

## Miscellaneous

- ▶ Hotspot Advertisement
- ▶ Voucher Printer
- ▶ Social media integration
- ▶ Access Point Management
- ▶ Device Monitoring
- ▶ WISPr Compliant

## 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
- ▶ Port-based traffic prioritization

## BOYD Appliance

- ▶ BOYD implementation
- ▶ BOYD 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

## Hotspot Billing

- ▶ Seamless integration with WiFiLAN Cloud
- ▶ Network monitoring & Alerts
- ▶ On-board web cache
- ▶ Email Templates
- ▶ Diagnostics Tools

## Legal Compliance

- ▶ Two-factor (SMS) authentication
- ▶ URL capture and logging
- ▶ User session tracking & logging
- ▶ Various access methods
- ▶ Audits Reports



## TECHNICAL SPECIFICATIONS

### Interface

7 LAN Port (RJ-45) – 10/100/1000 base T/Tx  
1 WAN Port (RJ-45) – 10/100/1000 base T/Tx  
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

Dual Power Supply Unit  
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 : 561 Mbps (auth)  
890 Mbps (noauth)

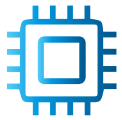
Form Factor: Standalone  
Physical Dimensions: 482 x 680 x 44 mm  
Net Weight : 4 kgs or 8.8 lbs (approx)

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

## Physical Property

### Dimensions

### Environmental



## IDEAL FOR



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Transport