

UniBox U-500

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 real-time activity on the network.

UniBox U-500 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-500 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-500 is capable of handling 500 concurrent user sessions and is built on reliable Linux platform to provide high availability and performance for small-sized networks.

Features & Specifications

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

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

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

CAPTIVE PORTAL



HOTSPOT BILLING



SOCIAL MEDIA



UniBox U-500

PMS INTEGRATION



SMS INTEGRATION



RECIPT PRINTER



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

Reporting

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

Miscellaneous

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

Networking

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

Environmental

- Operating Temperature : -10 C to 60 C
- Non-condensing Humidity : 5% - 95%
- Vibrations: 0.5g rms/5-500HZ/random
- Fan cooling structure

Dimensions

- Form Factor: 1U Rackmount
- Physical Dimensions: 430 x 280 x 46 mm
- Net Weight: 500 gms or 1.1 lbs
- Color: Light silver black

Hotspot Billing

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

Legal Compliance

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

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

Power Rating

- Input Voltage : 12V DC, 5 A
- Power Consumption : 220W
- Heat Dissipation : 300 BTU

Compliance

- CE Emission
- FCC Class A, RoHS

Users

- Supports 500 concurrent users
- Unlimited offline users

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