

W i f i - s o f t
DATASHEET

UniBox U-50
Network Access and
Bandwidth Controller

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



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D A T A S H E E T

UniBox U-50

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox U-50 comes with a captive portal engine, bandwidth controller, policy manager, URL tracker, reporting system and is designed to work seamlessly with WiFiLAN Cloud hotspot manager. Remote U-50 units can be centrally controlled and tracked using WiFiLAN, allowing administrators to have complete control on their Wi-Fi networks.

UniBox U-50 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-50 is capable of handling 50 concurrent user sessions and is built on a reliable Linux platform to provide high availability and performance for small-sized networks.

CAPTIVE PORTAL



FEATURES

Universal Controller

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

Networking

- ▶ Gigabit LAN & WAN Ports
- ▶ DNS Server
- ▶ Multi-WAN *
- ▶ Port Forwarding
- ▶ Group-based Routing
- ▶ Network Monitoring

Policy Manager

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

User Management

- ▶ Automated User Provisioning
- ▶ Per-User Rate Limits
- ▶ MAC-based Authentication
- ▶ Approval-based Registrations
- ▶ User Groups

Hotspot Billing

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

Captive Portals

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

Reporting

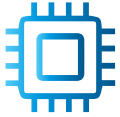
- ▶ Online Users
- ▶ Usage Reports
- ▶ Social Media Profiling
- ▶ Revenue Reports
- ▶ PMS & Voucher Reports
- ▶ Network Monitoring Reports
- ▶ Automated Reporting

Compliance

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

Other

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



TECHNICAL SPECIFICATIONS

Interface

1 LAN Port (RJ-45) – 10/100/1000 base T/Tx
1 WAN Port (RJ-45) – 10/100/1000 base T/Tx
1 Service(RJ-45) – 10/100/1000 base T/Tx
2 USB Ports

Networking

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

Power Rating

Input Voltage : 12V DC, 2 A
Power Consumption : 5W
Heat Dissipation : 300 BTU

Compliance

CE Emission
FCC Class A, RoHS

Form Factor: Standalone
Physical Dimensions: 176 x 174 x 30 mm
Net Weight: 500 gms or 1.1 lbs

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

Physical Property

Dimensions

Environmental

IDEAL FOR



Telecom



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Healthcare



Universities



Public Places



Airports



Transport

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