

Wifi-soft
DATASHEET

UniBox U-50
Network Access and
Bandwidth Controller

UniBox is an intelligent access controller combined with 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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UniBox U-50

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox U-50 comes with a captive portal engine, bandwidth control, policy manager, URL tracker, reporting system and is designed to work seamless with WiFiLAN Cloud hotspot manager. Remote U50 units can be centrally controlled and tracked using WiFiLAN thus 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 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

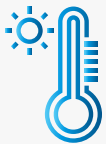
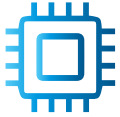
- ▶ Online Users
- ▶ Usage Reports
- ▶ Social Media Profiling
- ▶ Revenue Reports
- ▶ PMS & Voucher Reports
- ▶ Network Monitoring Reports
- ▶ Automated Reporting

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



Hotels & Enterprises



Healthcare



Universities



Public Places



Airports



Transport

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