

W i f i - s o f t

DATASHEET

UniBox U-500 Network Access and Bandwidth Controller **ver. 3.0**

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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W i f i - s o f t

UniBox U-500 Network Access and Bandwidth Controller **ver. 3.0**

D A T A S H E E T

UniBox U-500

NETWORK ACCESS AND BANDWIDTH CONTROLLER



UniBox U-500 is an all-in-one controller appliance that combines the functions of a wireless LAN controller, hotspot gateway, AAA server, web server, load balancer, web logger, VPN server, policy server and firewall in a single box. It also comes with comprehensive reporting and analytics tools for analyzing and tracking network activity of all users. UniBox can be deployed as a standalone appliance or can function with WiFiLAN OSS/BSS.

UniBox U-500 belongs to the UniBox family of controllers that are 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 a reliable Linux platform to provide high availability and performance.

CAPTIVE PORTAL



NEW & IMPROVED FEATURES



Upgraded GUI



Automatic Cloud Sync



LDAP/AD Integration



Better Throughput



Remote Sys Logger



Virtual PMS



AP Controller & NMS



Automatic Software Upgrades



Social Media Integration



Multiple Hotspots



Bandwidth Monitoring



VPN Server



Enterprise Configuration Enabled



External DHCP Support



VLAN Enabled



Group-based Content Filtering



Traffic Analysis



Firewall



Multi-WAN & Load Balancer



Configurable Portal Templates



Branch Networking

FEATURES

Universal Controller

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

Networking

- ▶ Multiple LAN Subnets
- ▶ VLAN Support
- ▶ WAN Load Balancing & Failover
- ▶ VPN Server
- ▶ Branch Networking
- ▶ Group-based Routing
- ▶ Network Monitoring

User Management

- ▶ Automated User Provisioning
- ▶ Per-User Rate Limits
- ▶ MAC-based Authentication
- ▶ Approval-based Registrations
- ▶ User Groups
- ▶ LDAP/AD/GSuite Integration

Policy Manager

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

Reporting

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

Hotspot Billing

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

AP Controller

- ▶ Management Dashboard
- ▶ AP Provisioning
- ▶ Central AP Configuration
- ▶ Auto-discovery
- ▶ Heatmaps
- ▶ Traffic Analysis

Captive Portals

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

Compliance

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

WiFi Advertisement

- ▶ Portal Page Advertisement
- ▶ Multimedia Content
- ▶ Targeted Advertisement
- ▶ Pre-login and Interstitial Ads
- ▶ Advertisement Reports

Other

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



TECHNICAL SPECIFICATIONS

Interface

6 Ethernet Port (RJ-45) – 10/100/1000 base T/Tx
2 Optional SFP + 10G ports
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

User Sessions :500 user sessions
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 : 860 Mbps (auth)
921 Mbps (no-auth)

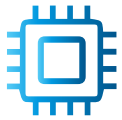
Form Factor: Rackmount - 10
Physical Dimensions: 482 x 680 x 44 mm
Net Weight : 4 kgs or 8.8 lbs (approx)

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

Physical Property

Dimensions

Environmental



IDEAL FOR



Airports



Hospitals



Hotels & Enterprises



Schools



Public Venues



Shopping malls



Medium
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