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DATASHEET

UniBox U1000

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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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 a policy manager that allow administrators complete control on their public access networks.

UniBox U-1000 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-1000 is capable of handling 1000 concurrent user sessions and is built on The 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 Controller

- ▶ Wired/Wireless Access Gateway
- ▶ Captive Portal
- ▶ Built-in RADIUS/AAA
- ▶ Hotspot Billing
- ▶ Load Balancing and Failover
- ▶ On-board User Management
- ▶ DHCP Server

Bandwidth Control

- ▶ Per-user Rate Limiting
- ▶ Group-based Bandwidth Limiting
- ▶ Daily Quota
- ▶ Fair Usage Policy
- ▶ Automatic Bandwidth Shaping
- ▶ Port-based Bandwidth Policies
- ▶ Multi-WAN & Load Balancing

Captive Portal

- ▶ Mobile Friendly & Fully Customized
- ▶ Supports all Access Methods
- ▶ Social Media Login Integration
- ▶ SMS/OTP Authentication
- ▶ On-board or External Portal Hosting
- ▶ Simple, Template-based Designs

BYOD

- ▶ SNAC Based BYOD Implementation
- ▶ Binding Username with Registered Devices
- ▶ Automatic MAC Login
- ▶ Approval/Audit of Registered BYOD
- ▶ Limiting Access to DHCP pool
- ▶ Group-based Routing
- ▶ Guest Traffic Isolation

AP Management

- ▶ Auto-discover UniMax APs
- ▶ AP Provisioning
- ▶ Centralized Configuration Management
- ▶ 24x7 AP Monitoring
- ▶ Outage Alerts
- ▶ Advanced Network Analytics

Hotspot Billing

- ▶ Time & Data Based Billing Plans
- ▶ Tiered Billing (Free + Paid)
- ▶ Credit Card Integration
- ▶ Access Codes/Vouchers
- ▶ PayPal Integration
- ▶ Integration with Leading PMS Vendors

Reporting

- ▶ Per User Usage Reports
- ▶ Graphical Summary of Bandwidth Usage
- ▶ Network Monitoring Report
- ▶ Detailed Revenue Reports
- ▶ Summary Reports of System Health
- ▶ Diagnostic Tools

Policy Management

- ▶ Time Based Access Control
- ▶ Dynamic Speed Allocation Based on Load
- ▶ Auto Sensing Unfair Usage Practice
- ▶ Contention Ratio Allocation
- ▶ Group Based Policy Enforcement

Compliance

- ▶ Group-Based Content Filtering
- ▶ P2P/Torrent Control
- ▶ Web Logging and Tracking
- ▶ Know-your-customer (KYC) Enforcement
- ▶ Errant User Isolation
- ▶ Integrates with Remote Syslog Server



TECHNICAL SPECIFICATIONS



Interfaces

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
 Redundant PSU (optional)

Networking

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

System Performance

Concurrent User Sessions : 800 - 1000
 Data Throughput : 561 Mbps (auth)
 890 Mbps (noauth)

Power Rating

Dual Power Supply Unit
 Input Voltage : 230V AC
 Power Consumption : 10W
 Heat Dissipation : 300 BTU

Compliance

CE Emission
 FCC Class A, RoHS

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



Telecom



Hotels & Enterprises



Healthcare



Universities



Public Places



Airports



Transport