



INDIO NETWORKS

DATASHEET

UniController UC-500 Network Access and Bandwidth Controller

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



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UniController UC-500

Network Access and Bandwidth Controller



UniController UC-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 a comprehensive reporting and analytics tools for analyzing and tracking network activity of all users. UniController can be deployed as a stand-alone appliance or can function with WiOS OSS/BSS.

UniController UC-500 belongs to the UniController family of controllers that are specially designed for managing network access in large venues like airports, 5-star hotels, schools, universities and public hotzones. UC-500 is capable of handling 1000 Access points from day one and maximum scalability is 4000 and is built on a reliable Linux platform to provide high availability and performance.

CAPTIVE PORTAL



EXCLUSIVE FEATURES

Multiple Hotspots

Create multiple hotspots to own and operate wifi at multiple locations simultaneously with one device.



G-Suite Integration

Integrate your Wifi with G-Suite to access all of Google's magic with just one password.

Group Based Content Filtering

Classify bandwidth, filter URL, access control and other features as per user groups.



Automatic Cloud Sync

Sync data automatically or enable automatic updates and increase your productivity.

Virtual PMS

Don't have a Property Management System (PMS)? Don't worry. Deliver the same user experience as a PMS system with your Wifi controller at NO additional cost.



LDAP/ AD Integration

Why use different passwords for Email, Wifi and other login portals? Now, use a single password to access everything you need!

NEW & IMPROVED FEATURES



AP Controller & NMS



Automatic Software Upgrades



Social Media Integration



Better Throughput



Bandwidth Monitoring



VPN Server



Enterprise Configuration Enabled



External DHCP Support



VLAN Enabled



Upgraded GUI



Traffic Analysis



Firewall



Multi-WAN & Load Balancer



Configurable Portal Templates



Branch Networking



Remote Sys Logger

Universal Controller

- ▶ Wireless/Wired LAN Controller
- ▶ Hotspot Controller
- ▶ Firewall
- ▶ Multi-WAN Router
- ▶ Built-in AAA Server
- ▶ DHCP Server

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

4 Ethernet Port (RJ-45) – 10/100/1000 base T/Tx
2 Optional SFP+ 10G ports
Intel chipset
Console Port
2 USB ports
GUI

Networking

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

Power Rating

Input Voltage : 110-240V AC
Power Consumption : 10W
Heat Dissipation : 300 BTU

Compliance

Concurrent end client supported 25000
CE Emission
FCC Class A, RoHS

Supported Encryption

"802.11i, WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAPTLS"

System Performance

Data Throughput : 860 Mbps (auth)
921 Mbps (noauth)

Frequency Band

2.4 & 5 GHz.

Number of WLAN

More than 100

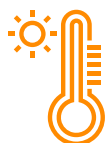
Form Factor: Rackmount -10
Physical Dimensions: 482 x 680 x 44 mm
Net Weight: 4 kgs or 8.8 lbs (approx)

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

Physical Property

Dimensions

Environmental



IDEAL FOR



Telecom



Hotels & Enterprises



Healthcare



Universities



Public Places



Airports



Transport

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