



## cnPilot™ Home & Business R200



### SIMPLYFING THE NETWORK

Extending the service provider's indoor reach and streamlining components for a simplified indoor network. Versatile multi-function WLAN access points, offering remote visibility and end-to-end troubleshooting, extend the service provider's indoor reach.

### Cloud Management

Backed by Cambium's cnMaestro™ cloud manager offering end-to-end visibility of the network and customer devices.

- Out-of-the box zero touch onboarding
- Stateful alarms and dashboard views
- Multiple management options available including cloud-based, TR-069, SNMP and an enriched set of RESTful interfaces

### Highly Integrated

The WLAN routers simplify the indoor home network-combing in one box commonly needed functions often put together from different manufacturers.

### End-to-End Troubleshooting

Single dashboard view and rich statistics ensure rapid root cause detection and issue resolution

- One-click functionality reveals the health of all network nodes related to the problem area
- Troubleshoot end user client connectivity on any WLAN from a single console
- No truck roll required to debug wired or wireless connectivity configurations

### Multiple SSIDs and Service Provider (community) SSID's

Enables service providers to offer SSIDs across their network as users travel from home, to outdoor public hotspot and to local business / small enterprise or campus. This allows network operators to promote their brand throughout their customers' daily journeys.



## SPECIFICATIONS

### PRODUCT DETAILS

- Model Number: R200

### KEY INTERFACES

- TELEPHONE INTERFACES: 2 FXS ports, RJ11
- WAN: 1 x 10/100 RJ45
- LAN: 4 x 10/100BaseT, RJ45
- USB: 1 USB 2.0 Host Port for shared printer or storage
- WiFi: 2x2 Single band 11n 2.4 GHz
- SSIDs 4 Per Radio: 4
- RESET BUTTON: Factory reset button
- LED INDICATORS: Power
- WLAN
- LAN 1-4
- Phone 1-2

### NETWORK

- PROTOCOL
  - DHCP/ PPPoE/ Static IP, PPTP/L2TP VPN
  - Dynamic DNS/DNS SRV (RFC 1706 & RFC 2782)
  - DMZ
  - NAT Traversal (Static NAT Route or by STUN)
  - DHCP Client and DHCP server
  - MAC address Clone
  - IP Conflict Detection
- ROUTE MODE
  - Route/Bridge, customer configurable
  - Support IEEE 802.1Q VLAN/802.1p
  - Layer 3 (DSCP) settings for SIP, RTP and Data
- QUALITY OF SERVICE
  - Support IEEE 802.1Q VLAN/802.1p
  - Layer 3 (DSCP) settings for SIP, RTP and Data

### NETWORK MANAGEMENT

- INTEGRATED MANAGEMENT
  - cnMaestro Cloud Based Management for Configuration, Provisioning and daily Monitoring
- CONFIGURATION
  - Web GUI interface
  - Interactive Voice Response (IVR)
- AUTO PROVISIONING: TFTP, HTTP
- SNMP: SNMP v2
- TIME: SNTP
- ADMIN: Administrator and User
- ALT MGMT: TRO69
- SYSLOG: Local, Remote

### WIRELESS INTERFACES

- PROTOCOL: 802.11 b/g/n
- SECURITY
  - WEP, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES), Mixed mode
- OTHERS
  - AP isolation, MBSSID AP isolation, WMM, MAC Filter, WDS, WPS

### CALL FEATURES

- IP SIGNALING: SIP V2 (RFC3261/3262/3263/3264)
- VOICE CODEC: G.711 (A-law,  $\mu$ -law), G.722, G.723, G.729
- FAX OVER IP: Real Time FAX over IP via T.38, T.30 Fax with G.711
- VOICE FEATURES
  - Adaptive jitter buffer management
  - Voice Activity Detection
  - Comfort Noise Generation
  - Echo Cancellation
- CALL FEATURES
  - 3-way Conference
  - Call hold, Call forwarding, Call transfer, Call waiting,
  - Speed dial, Hotline, Dial plan
  - Caller ID, Black list, Call log

### POWER SUPPLY

- AC/DC ADPATOR: AC Input: 100 ~240V, 50-60 Hz, DC Output: 12V, 2A

### ENVIRONMENTAL

- OPERATION TEMP: +5°C to +45°C 5°C to +45°C
- STORAGE TEMP: -25°C to +85°C
- RELATIVE HUMIDITY: 10%~90% No Condensing
- WEIGHT: 0.75 kg
- DIMENSION (H x W x D): 180 mm x 110 mm x 30 mm

### REGULATORY

- EMC
  - FCC part 15B Class B, ETSI EN 301 489-1, ETSI EN 301 489-17, EN61000-6-1, EN61000-6-3, CE, RoHS
- SAFETY
  - IEC 60950-1, UL 60950-1, EN 60950-1

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### Why Rising Connection is using equipment designed and built by Cambium Networks?

- High quality and worldwide longevity track record of installations across a diverse application base
- Using establish world best practices in design and materials with full support of both Australian and International Standards
- Constant evolution of hardware and improvements in firmware for the benefit of the customer
- Established interoperability with various equipment and propriety security systems
- Full portfolio of solution development services and cloud management

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.

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