



cnPilot™ Home & Business R201



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: R201

KEY INTERFACES

- TELEPHONE INTERFACES: 2 FXS ports, RJ11
- WAN: 1 x GigE, RJ45
- LAN: 4 x GigE, RJ45
- USB: 1 USB 2.0 Host Port for shared printer or storage
- WiFi: 2x2 Dual band 11ac 2.4 (11n) and 5 GHz (11ac)
- SSIDs 4 Per Radio: 8
- 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/ac
- 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, μ -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: 0.8 kg
- DIMENSION (H x W x D): 175 mm x 155 mm x 35 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

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.
