

# AP22 WiFi Access Point

**Solution:** NetCloud Service for Branch ■ **Application:** Small Branches & Medical Offices, Retail Stores, Quick Serve Restaurants

The Cradlepoint AP22 is designed to work with AER Series routers to extend WiFi coverage within small branch offices or store sites. NetCloud Manager enables cloud management for Cradlepoint routers and access points for easy, zero-touch deployment and remote management of branch networks from a single pane of glass.

The Cradlepoint AP22 is ideal for next-generation deployments in small branch offices such as financial and insurance offices, retail stores, restaurants, and more. It provides dual-concurrent 2.4 GHz and 5 GHz radios for seamless WiFi connectivity with fast roaming between AP22s as well as AER2200 routers. It also offers enterprise-grade security with WPA-PSK, WPA-TKIP, and WPA2 AES encryption. With support for the 802.11ac Wave 2 standard, the AP22 offers MU-MIMO that enables multiple clients to receive data simultaneously, increasing the total network performance and improving overall user experience.

The AP22 offers the performance, enterprise-grade security, and easy-to-use remote cloud management required for today's modern branch networks.

Cradlepoint AP22 is sold with the NetCloud Essentials Plan, an all-inclusive networking service package comprised of services, hardware, and support.

**The NetCloud Service for Branches include:**

- NetCloud management & control service with branch-specific capabilities
- Customer choice of purpose-built hardware
- 24x7 support & limited lifetime warranty
- Option to purchase add-on plans for Advanced functionality

## Key Features

- When used with AER branch routers, enables a complete wireless (WiFi & cellular) & software-defined solution for resilient & modern branch networking
- Easy-to-use, single-pane-of-glass, cloud management for ease of deployment, remote management & reporting
- Rapidly deploy fast, affordable 802.11ac
- Wave 2 in every branch
- Full security feature suite for protected connections
- PCI-compliant WiFi solution for mobile POS terminals
- Fast roaming between Cradlepoint AP22s & AER2200s
- Optimized performance with dynamic radio resource, data rate management & active band steering



## Benefits

### Cloud Management

- Increase speed to deployment with “zero-touch” configuration
- Configure, monitor & manage remotely
- Avoid costly truck rolls

### Enterprise-Grade Security

- Detect rogue access points in the network
- WPA-PSK, WPA-TKIP & WAP2 Enterprise with 802.11x
- Support BYOD/guest access while guaranteeing the highest levels of network security

### Advanced Functionality

- Fast roaming with AER2200
- Data rate management

### Future Capabilities\*

- WIPS/WIDs & spectrum optimization via the dedicated third Radio
- Extensible USB port for IoT connectivity
- DFS support in the U.S.

\*Without replacing hardware

## Quick Specs

WiFi Radios	2x2 dual-band, dual-concurrent WiFi 802.11 a/b/g/n/ac wave 2 (MU-MIMO, 256 QAM)
Third Radio (Activated in future via software update)	1x1 802.11ac switchable radio. Dedicated scan, WIDS/WIPS & RF spectrum management
High-Capacity WiFi	128 concurrent sessions
Ethernet Ports	1 x 10/100/1000
Fast Roaming	802.11r
Client & Application Visibility	Yes, when combined with the AER2200 router
USB Ports	1x USB 2.0
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Mounting	Wall & ceiling support

The AP22 can be packaged with the following plans:

Service Plan	Part Numbers
<b>U.S.:</b> NetCloud Essentials for Branch Access Points	BCx-0A22-0U0
<b>Canada:</b> NetCloud Essentials for Branch Access Points	BCx-0A22-0C0
<b>Europe:</b> NetCloud Essentials for Branch Access Points	BCx-0A22-0W0
<b>Asia-Pacific:</b> NetCloud Essentials for Branch Access Points	BCx-0A22-0W0

x = 1, 3, or 5 years

## Comprehensive 24x7 Support & Limited Lifetime Warranty

Cradlepoint’s all-inclusive NetCloud Service Plan includes limited lifetime hardware warranty and global 24x7 enterprise-class support (phone support: 24-hour weekdays with emergency response on weekends; web: 24x7, chat: 24x5). With comprehensive support and warranty, Cradlepoint solutions are designed to keep networks secure, problem-free, and operationally efficient.

For more information, visit [cradlepoint.com/support-services](http://cradlepoint.com/support-services).

