Branch Connectivity Services

Gain high availability and agility with Cradlepoint all-in-one branch connectivity services
All-in-One Branch Network Services

Cradlepoint Elastic Edge™ provides a modern approach to wireless branch networking for small and mid-sized organizations that need to deliver enterprise-class capabilities and high availability with limited IT resources. Each advanced edge router is built on Cradlepoint NetCloud services, which brings the efficiency of cloud management and the reliability of Software-Defined Networking to the WAN and across the branch.

Capabilities: Benefits:

- All-in-one design → Eliminates the need for multiple pieces of hardware
- Cloud management → Efficient use of IT staff
- Elastic Wideband Technology → Exceptional cellular connectivity
- Gigabit-Class LTE → 2-6x performance improvement
- Dual LTE modems → Always-on connectivity with Auto-Carrier Selection
- LTE-optimized SD-WAN → Diverse WAN connections to ensure optimal application performance & uptime
- Extended wireless coverage → WiFi & LTE coverage across sites with single-pane-of-glass management
- Unified edge security → Provide secure Internet access & protected on-site users without backhauling
- Zero-touch deployment → Day-1 Internet without on-site IT staff
- Advanced OOBM → Remote troubleshooting for the entire branch site
- Advanced IoT support → Connected & protected branch IoT devices

Use Cases:

Primary Networks: Small & Medium Branch
Failover & OOBM
Temporary Networks
Store-Within-a-Store
Parallel Networks

Built & Delivered on NetCloud

Cradlepoint NetCloud is a service-based platform that spans from cloud to edge to make deploying, managing, and evolving a wireless WAN network easier and less resource-intensive than ever before.

Centrally configure, monitor, visualize, control, and trouble-shoot your network — WAN to LAN and link to app — from a web console. Easily configure routing, security, LTE, SD-WAN and WiFi functionality at the network, rather than appliance, level.

The NetCloud service ensures that LTE connections originate in the best possible way, persist throughout the duration of the connection, and perform with the most efficient use of LTE bandwidth.
**Feature Set** | **AER2200** | **AER1600 Series** | **CR4250**  
---|---|---|---  
**LTE** | LTE Advanced Pro* | LTE Advanced** | Optional with CBA850*  
**Ports (WAN / LAN switchable)** | 10 GigE ports | 5 GigE ports | 8 GigE ports & 2 SFP+ ports  
**WiFi (Dual-band a/b/g/n/ac)** | External antennas, 4x4 MIMO | Internal antennas, 2x2 MIMO | Optional with AP22  
**Dual-Modem Support** | 1 embedded, 1 modular | 1 embedded, 1 modular | Optional with CBA850s  
**Core Processor** | 716 MHz quad-core processor | 800 MHz dual-core processor | 2.2 GHz x86 quad-core processor  
**Power-Over-Ethernet** | Yes (up to 4 ports) | No | Yes (up to 8 ports)*  
**Pathway to 5G** | With external Gateway such as CBA850 | Integrated 4x4 MIMO, 256 Quam & carrier aggregation | With modular modem such as MC400-1200M  

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*Theoretical maximum modem speed. 1.2 Gbps with available Gigabit-Class LTE modem. **Theoretical maximum modem speed. 300 Mbps with available LTE Advanced modem. † With CP4250-POE SKU only.
Extend NetCloud Functionality

Customers can extend their NetCloud Essentials Packages with a simple upgrade that provides advanced branch networking features, including:

- Application-aware firewall
- Application-aware QoS
- Threat Management
- Application-based traffic analytics
- Web content filtering

Cloud-Managed Extensibility

**NetCloud API:** Extend the value of your branch network by integrating NetCloud collected data with third-party management, security, and business applications.

**NetCloud SDK:** Build, deploy, and run a variety of network and IoT edge computing apps on Cradlepoint’s Linux-based multi-core routers.

Add or Expand LTE & WiFi Coverage

ARC CBA850 & CBA550:
Flexible LTE Adapters work with any branch or SD-WAN router to provide remote cellular coverage via Ethernet

<table>
<thead>
<tr>
<th>Feature Set</th>
<th>CBA850</th>
<th>CBA550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud Management</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>OOBM</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Ports (LAN / WAN)</td>
<td>2 (GigE) &amp; 1 (console)</td>
<td>1 10/100</td>
</tr>
<tr>
<td>LTE</td>
<td>1.2 Gbps*</td>
<td>150 Mbps*</td>
</tr>
<tr>
<td>Sim Slots</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Power-Over-Ethernet</td>
<td>Yes or power adapter</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Theoretical maximum speed with available Gigabit-Class LTE modem.

**AP22:**
Expand branch WiFi coverage with cloud-managed and easy-to-install Access Points

<table>
<thead>
<tr>
<th>Feature Set</th>
<th>AP22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud Management</td>
<td>Yes</td>
</tr>
<tr>
<td>WiFi Radios</td>
<td>3</td>
</tr>
<tr>
<td>High-Capacity WiFi</td>
<td>248 concurrent sessions</td>
</tr>
<tr>
<td>Fast Roaming</td>
<td>802.11R</td>
</tr>
<tr>
<td>Wired Connectivity</td>
<td>Gigabit Ethernet</td>
</tr>
<tr>
<td>Client &amp; Application</td>
<td>Yes**</td>
</tr>
</tbody>
</table>
| Visibility           | **When combined with the AER2200 router or the CR4250.**

Dual-Ended Cradlepoint Network for Easy VPN Setup

Organizations that want to move to a simple, centrally managed WAN can take advantage of Cradlepoint Auto VPN and Cradlepoint headend solutions. Using Auto VPN makes setting up secure connections to the datacenter or cloud very simple.

Enhance Network Security

Cradlepoint’s Innovation Partners program provides seamless integrations with the following industry-leading intrusion, Internet security, and event management solutions:

- CP Secure Threat Management (IPS/IDS, Powered by Trend Micro)
- Zscaler Internet Security
- Cisco Open DNS
- SIEM Platforms
- Webroot

Contact Cradlepoint to learn more: +1.855.813.3385 | cradlepoint.com