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:

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

### Use Cases:

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

**Cradlepoint is the first to provide all-in-one branch services with Gigabit-Class LTE as the next step on the Pathway to 5G.**

### 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.
Cradlepoint NetCloud Packages make it easy to buy, deploy, support, and evolve your branch network by delivering the essential NetCloud features, networking devices, and support you need as a cloud service with flexible 1-, 3- or 5-year terms.

### NetCloud Essentials
- **Cloud Management**: Centrally manage your entire branch network.
- **Orchestration**: Click to build a VPN over wired & wireless broadband.
- **Edge Router**: Full-featured router. AER Series includes integrated LTE & WiFi.
- **SD-WAN**: Ensure app performance & availability while controlling LTE utilization.
- **Unified Edge Security**: Firewall, and intrusion and web security for Direct Internet Access (DIA).

### Purpose-Built Network Devices

#### Branch Routers:
- CR4250, AER2200 & AER1600 Series

#### LTE Adapters:
- ARC CBA850 & CBA550

#### WiFi Access Points:
- AP22

### Comprehensive 24x7 Support
The right support when you need it, with an ongoing commitment to your success.
- **Phone**: 24-hour weekdays & emergency-only weekends
- **Web**: 24x7 customer community for online case management, chat & Knowledge Base & forum search
- **Limited lifetime warranty for hardware**

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### All-in-One & One For All

**Converged Design With Extended LTE & WiFi Coverage Options Means Solutions For Every Small & Mid-size Branch**

#### AER2200:
Advanced Edge Router for small to mid-sized branches with expanded connectivity needs

#### AER1600 Series:
Advanced Edge Router for smaller sites, Parallel Networks, and branch continuity

#### CR4250:
Branch performance router for mid-sized branches with higher performance needs

### Feature Set

<table>
<thead>
<tr>
<th>Feature Set</th>
<th>AER2200</th>
<th>AER1600 Series</th>
<th>CR4250</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE</td>
<td>LTE Advanced Pro*</td>
<td>LTE Advanced**</td>
<td>Optional with CBA850*</td>
</tr>
<tr>
<td>Ports (WAN / LAN switchable)</td>
<td>10 GigE ports</td>
<td>5 GigE ports</td>
<td>8 GigE ports &amp; 2 SFP+ ports</td>
</tr>
<tr>
<td>WiFi (Dual-band a/b/g/n/ac)</td>
<td>External antennas, 4x4 MIMO</td>
<td>Internal antennas, 2x2 MIMO</td>
<td>Optional with AP22</td>
</tr>
<tr>
<td>Dual-Modem Support</td>
<td>1 embedded, 1 modular</td>
<td>1 embedded, 1 modular</td>
<td>Optional with CBA850s</td>
</tr>
<tr>
<td>Core Processor</td>
<td>716 MHz quad-core processor</td>
<td>800 MHz dual-core processor</td>
<td>2.2 GHz x86 quad-core processor</td>
</tr>
<tr>
<td>Power-Over-Ethernet</td>
<td>Yes (up to 4 ports)</td>
<td>No</td>
<td>Yes (up to 8 ports)†</td>
</tr>
<tr>
<td>Pathway to 5G</td>
<td>With modular modem such as MC400-1200M-B</td>
<td>With modular modem such as MC400-1200M-B</td>
<td>With external Gateway such as CBA850</td>
</tr>
</tbody>
</table>

*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

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

<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.

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.

Cradlepoint Virtual Router

CR4250

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