

AER1600 Series

Advanced Edge Routers

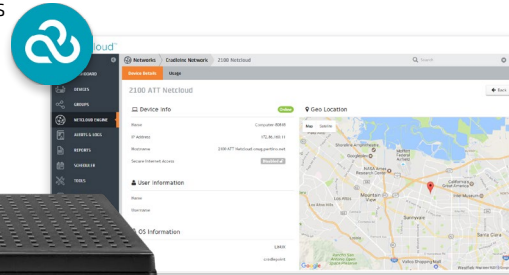
The Cradlepoint AER1600 Series Advanced Edge Routers are designed for smaller sites, Parallel Networks, and branch continuity to intelligently manage converged wired and wireless WAN connectivity for a highly available “connected experience” at the Edge.

With an embedded cellular modem wired WAN connections and WiFi, the AER1600 Series cloud-managed branch routers offer flexible wired and wireless WAN deployment options. The AER1600 is the ideal primary router for small branches or retail locations, or application-specific networks such as Parallel Networks and temporary networks for events or construction sites, that require 24x7 connectivity for business-critical applications.

Cradlepoint AER1600 branch routers are sold in all-inclusive NetCloud Solution Packages for Branch Networks.

NetCloud Solution Packages include:

- + Award-winning remote cloud management & network intelligence with **NetCloud Manager**
- + Secure IoT networking with **NetCloud Perimeter** for perimeter-secured overlay networks
- + **24x7 support & limited lifetime warranty**



Applications:

- Small Branches/ Retail Locations
- Temporary Networks
- Branch Continuity
- Parallel Networks

KEY HARDWARE FEATURES

- + Zero-touch deployment & Day-1 Internet without on-site IT staff
- + Wired & wireless WAN for flexible WAN deployment options
- + LTE-optimized SD-WAN for diverse WAN connections that ensure optimal application performance & uptime
- + Extend WiFi coverage with single-pane-of-glass management & Cradlepoint Access Points
- + Unified edge security for secure Internet access & protection for on-site users & devices
- + Advanced OOBM & Remote Connect enables remote troubleshooting for entire branch site
- + Advanced IoT support to securely connect branch IoT devices
- + Purpose-built for PCI Compliance

NETCLOUD PLATFORM FEATURES

- + Cloud-managed for ease of deployment, remote management & reporting
- + Includes NetCloud Perimeter for reliable IoT network security

Benefits

INCREASE NETWORK AVAILABILITY

- + Embedded 4G LTE with HSPA+ fallback ensures connectivity anywhere (EVDO fallback on LPE versions)
- + Supports Ethernet WAN & WiFi-as-WAN*
- + Monitor uptime with real-time alerts

DEPLOY & SCALE QUICKLY

- + Includes NetCloud Manager to increase speed of deployment with “zero-touch” configuration
- + Manage, monitor & troubleshoot remotely

SECURE & PROTECT

- + Advanced security, VPN & stateful firewall to protect sensitive data
- + Cloud-managed security & content filtering (CIPA compliant)
- + Integral part of PCI compliant networks
- + Create encrypted & perimeter-secured overlays that protect branch IoT devices & isolate them from other networks

EXTEND & CUSTOMIZE

- + Router SDK: Support unique applications with custom scripts running on the router
- + NetCloud Manager API: Utilize router data while maintaining single-pane-of-glass network management

*WiFi not available on AER1650 Series

QUICK SPECS	
Supports LTE Advanced	Yes (300 Mbps)
Ports (LAN / WAN)	1 GigE WAN, 4 GigE LAN (switchable)
Wireless Broadband Technology	Integrated LTE Advanced, DC-HSPA+fallback
WiFi (Dual-band, dual-concurrent a/b/g/n/ac)	Internal antennas, 2x2 MIMO
PoE	No
Ruggedized	No
Housing	Industrial plastic
Operating Temperature	0°C to 50°C (32°F to 122°F)
Supports Dual Modems	1 embedded, 1 integrated*
GPS/GNSS	Yes, with active antenna
Processor	800 MHz dual-core processor

*LP6-M versions of the AER1600/AER1650 come with a single LTE-A capable modem. Dual-modem operation is not supported.

Solution Packages with the AER1600 Series Router

Solution Package	Part Numbers†
North America:	
NetCloud Essentials for Branch (NA)	BAX-1600LP6I-NNN BAX-1600LP4-NNN BAX-1600LPE-VNN
Europe:	
NetCloud Essentials for Branch (EU)	BAX-1600LP6I-EWM
Asia-Pacific:	
NetCloud Essentials for Branch (AU)	BAX-1600LP5-PWM
All Regions:	
NetCloud Advanced Upgrade for Branch	BAX-NCADV

x = 1, 3, or 5 years

†Additional versions available with different modem configurations and/or no WiFi.

Comprehensive 24x7 Support & Limited Lifetime Warranty

24x7 support is included in all NetCloud Solution Packages (phone support: 24 hour weekdays with emergency response on weekends; web: 24x7, chat: 24x5). IT professionals have access to networking experts who can expedite issue resolution and help maximize operational efficiency. When your applications are mission-critical, you're covered by Cradlepoint Global Support and limited lifetime hardware warranty.

For more information, visit cradlepoint.com/support-services.

FOR MORE INFORMATION, VISIT CRADLEPOINT.COM/AER1600 OR CONTACT SALES TO REQUEST A FIELD TEST.