cradlepoint

AER1600 Series

Solution: NetCloud Service for Branch ▪ **Application:** Retail/Small Branches, Pop-Up & Parallel Networks, Branch Continuity

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, retail locations, or application-specific networks that require 24x7 connectivity for business-critical applications.

Cradlepoint AER1600 Series 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

— 24x7 support & limited lifetime warranty

— Customer choice of purpose-built hardware

— Option to purchase add-on plans for Advanced functionality
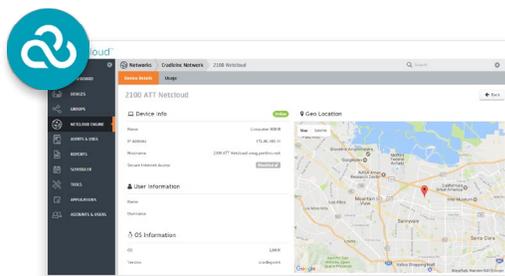
Key Features

Harware 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 & 4G LTE coverage with single-pane-of-glass management with Cradlepoint Access Points

— Unified edge security for secure Internet access & protection for on-site users & devices without backhauling

— 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 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 (T1, DSL, Cable, MetroE), WiFi-as-WAN & Metro WiFi*

— Monitor uptime with real-time alerts

Deploy & Scale Quickly

— Includes NetCloud Manager to increase speed of deployment with "zero-touch" configuration

— Manage, monitor, and troubleshoot remotely

Secure & Protect

— Advanced security, VPN & stateful firewall to protect sensitive data

— Cloud-managed security & content filtering (CIPA compliant)

— 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 API: Utilize router data while maintaining single-pane-of-glass network management

WiFi not available on AER1650 Series

Quick Specs

Enterprise-Grade LTE Modem	Embedded Cat 1 LTE 10 Mbps modem (& DC-HSPA+ fallback on AT&T version)
Supports LTE Advanced	Yes (300 Mbps)
Ports (LAN / WAN)	1 GigE WAN, 4 GigE LAN
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.

The AER1600 Series can be packaged with the following plans:

Service Plan	Part Numbers†
North America (NA) NetCloud Essentials for Branch	BAx-1600LP6I-NNN
Europe (EU) NetCloud Essentials for Branch	BAx-1600LP6I-EWM
Asia-Pacific (AP) NetCloud Essentials for Branch	BAx-1600LP5-PWM
All Regions: NetCloud Advanced Upgrade for Branch	BAx-NCADV

x = 1, 3, or 5 years; †Additional versions available with different modems and/or no WiFi.

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. Learn more at cradlepoint.com/cradlepoint-support-services

Learn more at cradlepoint.com/aer1600