IoT Network Services

Comprehensive IoT capabilities that enterprise IT can deploy, manage, and trust.

NetCloud Services
IoT

cradlepoint

SD-Perimeter I M2M I Edge Compute
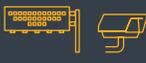
Comprehensive IoT Capabilities for Enterprise IT

Cradlepoint Elastic Edge™ provides a modern approach to connecting and protecting IoT devices at scale, whether deployed in the field, in buildings, or in embedded systems — without burdening IT resources. Each IoT network solution provides a choice of 4G LTE and WiFi connectivity options and is built through Cradlepoint NetCloud to deliver complete visibility, security, and control of connected devices anywhere.

Capabilities:

Capabilities:		Benefits:
Compact & rugged design	⟶	Purpose-built solutions supporting 3G & 4G LTE modems, as well as Ethernet & WiFi
Cloud management	⟶	No expertise required to entrally monitor & manage IoT devices
Built-in device-to-cloud security	⟶	Isolates & cloaks IoT devices from the Internet & other networks
Edge Computing	⟶	Ability to build, deploy & run applications at the WAN edge
Zero-touch deployment	⟶	Deploys at scale without skilled labor
Multi-carrier & dual-modem support	⟶	Always-on connectivity
Flexible WAN deployment options	⟶	Supports wired, LTE & WiFi-as-WAN connections

**Use Cases:**   Smart Cities   Digital Signage & Surveillance   Kiosks, ATMs & Lockers   Plant & Machinery Controls

Built & Delivered on NetCloud

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

Centrally configure, monitor, visualize, control, and troubleshoot 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.

Digital Signage

Kiosks, ATMs & Lockers

NetCloud™

4G LTE

Plant

Smart Cities
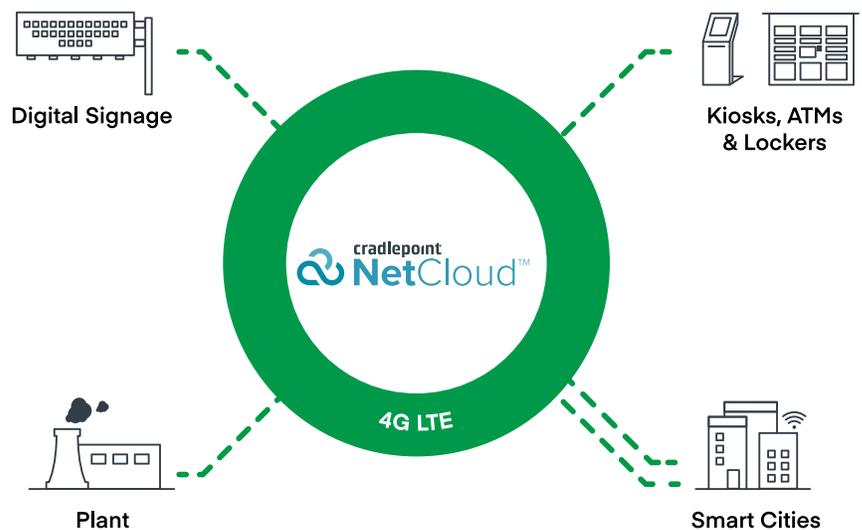
Easy to Own with NetCloud Packages

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

NetCloud Essentials

— **Cloud Management:** Centrally manage IoT devices anywhere.

— **Orchestration:** Click to build a VPN without requiring IT.

— **IoT Router:** Full-featured router with integrated 4G LTE.

— **Edge Computing:** Build custom applications, then deploy network-wide from the cloud.

— **SD-Perimeter:** In just minutes, create an overlay network that isolates & cloaks IoT data.

Purpose-Built Networking Devices

IoT Routers:
IBR600C Series & IBR200

Extensibility:
COR Extensibility Dock (for IBR600C)

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

Managed, Flexible Solutions for Every Deployment

From extensible to affordable, cloud-managed IoT routers with best-in-class LTE.

IBR600C Series:
Semi-ruggedized 4G LTE router that is ideal for standalone and embedded deployments.

IBR200:
Compact, semi-ruggedized 4G LTE router with 3G fallback — an affordable solution that does not sacrifice security.

Feature Set	IBR600C Series	IBR200
Supports LTE Advanced	Yes, with second modem in Extensibility Dock	No
Ports (WAN/LAN switchable)	1 GbE port, 1 10/100 port, plus 2 ports — 10/100 with Dock	1 10/100
WiFi	2x2 MIMO 802.11 b/g/n	1x1 802.11 b/g/n
SIM-Based Auto-Carrier Selection	Yes (AT&T, T-Mobile & Verizon)	No
SIM Slots	2	1
GPS	None/Passive GPS	Passive GPS
Enterprise-Grade Modems	Embedded 150 Mbps 4G LTE (150/50 Mbps DL/UL Max)	Embedded Cat 1 10 Mbps LTE (10/5 Mbps DL/UL Max)

Extend NetCloud Functionality

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

- Advanced enterprise routing
- Advanced VPN and tunneling
- Carrier, WAN, and LAN analytics
- Remote LAN device management

Cloud-Managed Extensibility

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

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

Expand 4G LTE Coverage

COR Extensibility Dock:
The Extensibility Dock for the IBR600C Series extends connectivity and functionality with a second, modular 4G LTE modem; two Ethernet ports; programmable, general-purpose input/output ports; and redundant power supply.

Antennas:
Externally mount optional approved vendor antennas to maximize the performance and reliability of your IoT networks. Address signal challenges in any scenario, regardless of the cellular carrier. Learn more at cradlepoint.com/antennas.

Enhance IoT Security

NetCloud Perimeter provides perimeter-secured and encrypted overlay networks that can be set up in minutes for scalable device-to-cloud connectivity. Best of all, it's included with every NetCloud Essentials Solution Package for IoT.

- **Virtual APN:** Works with or without a private APN.
- **Private IP Addressing:** Devices cannot be reached from the Internet.
- **Reduced Exposure:** Does not require a public/static IP or open inbound ports.
- **Zero Trust:** Invitation-only authentication authentication and admin-controlled access.
- **Micro-Segmentation:** Isolate devices from other devices and networks.

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