

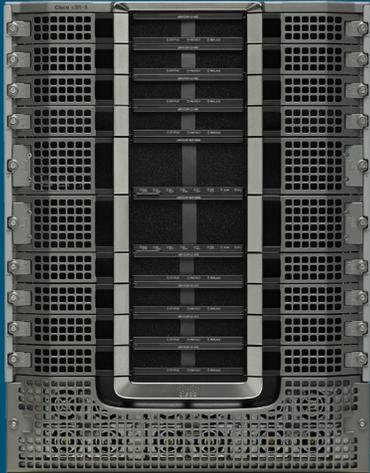
Cisco Infinite Broadband Solution

Cisco cable access network evolution

The Cisco® Infinite Broadband solution provides the foundation for a virtualized, orchestrated, and cloud-scale operating model while maximizing the value of the HFC plant. Standards-based Remote PHY delivers gigabit speeds for new and differentiated services. DOCSIS Services and applications are decoupled from the infrastructure supporting them. Operations and management complexity is abstracted away so that you can focus on making sure of great customer experiences. And any last mile technology—HFC, fiber, passive optical network—can be used to deliver services, operating as a single infrastructure, with a single point of management and control.

Benefits

- Deploy the most scalable Cable Modem Termination System (CMTS) solution in the industry to offer multigigabit broadband services at a much lower Total Cost of Ownership (TCO).
- Boost capacity and lower costs by centralizing converged cable access platform core functions and distributing CMTS physical-layer functions out closer to subscribers.
- Drive down access network complexity and operating costs with automation, virtualization, and orchestration.
- Roll out new services in days instead of months and unlock profitable growth by delivering a broader mix of services, including linear video, Video-on-Demand (VoD), IP traffic, and more.
- Bring innovative, differentiated new experiences to your customers more quickly over an all-IP network that's automated and end to end.



The Cisco cBR-8 delivers more than 10 times the bandwidth of legacy CMTS platforms.

Call to action

Are you ready to drive down network complexity and reduce your operating costs? Find out how Cisco's cable access evolution strategy can and transform your business. To learn more, contact your Cisco account representative or visit <https://www.cisco.com/c/en/us/solutions/service-provider/cable-access-solutions/index.html>.

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Cisco products and technology

Built from the ground up for DOCSIS 3.1, the Cisco cBR-8 delivers more than 10 times the bandwidth of legacy CMTS platforms. Cisco Remote PHY solutions boost capacity and lower costs by centralizing core functions while pushing out CMTS physical-layer quadrature amplitude modulation and OFDM modulation functions closer to subscribers. The Cisco Cloud-Native CMTS (cCMTS) virtualizes CMTS functions and runs them from a centralized or distributed data center alongside other virtualized services, providing web-scale reliability, elasticity, and scalability. Your entire access network—including physical and virtual devices and equipment from different vendors—can be managed with a single orchestration layer. Cisco management tools provide end-to-end visibility and proactive maintenance capabilities with real-time health, utilization, and capacity data across your entire infrastructure. And Cisco's network abstraction and orchestration capabilities can be used to automate the configuration of thousands of Remote PHY devices across your access network and drive down the time and costs of Remote PHY migration.

A platform for business transformation

The Cisco Infinite Broadband solution enables cable operators to evolve their complex cable access networks into a platform for business transformation. With the solution, you can put in place a long-term, scalable network to support your bandwidth growth far into the future. And you can take pragmatic steps today that lay a foundation for the programmable, all-IP, cloud-powered cable networks of tomorrow.

The Cisco Infinite Broadband solution enables you to:

- Provide multigigabit broadband services at a much lower TCO using DOCSIS 3.1 and the most scalable CMTS platform in the industry.
- Deliver fiber-level capacity and service tiers, without the radical physical replacement of your existing HFC plant.
- Eliminate the complexities of siloed infrastructures and reduce operational costs through automation, virtualization, and standardization.
- Expand into new markets with a flat, all-IP access network that can connect all households and business customers.
- Respond to changing customer demands spontaneously with services that are decoupled from the underlying infrastructure.
- Preserve full flexibility with Cisco's commitment to open-source collaboration and innovation.
- Simplify the network by replacing analog components with cost-effective digital Ethernet.