

cOS™



YOUR NEXT-GEN BROADBAND **MADE SMARTER**

cOS is the only true cloud-native virtual CMTS with a dense end-to-end Remote-PHY solution for both centralized and distributed deployments.

harmonic



YOUR ACCESS NETWORK

MADE FASTER

Our customer-recommended solution is deployed world-wide and is industry standard compliant. The solution is designed for sustainability to generate savings and ensure reliability from edge to end.

EFFICIENT FROM EDGE TO END

Virtualize your CMTS core for maximum performance

Our software-based Cable Modem Termination System (CMTS) deploys on commercial off-the-shelf servers (COTS) servers, or as a cloud native application in your existing datacenter. Agnostic to the RPD, the high-performance vCMTS software integrates full DOCSIS functionality with a flexible pricing model.

Common control, management and IP traffic forwarding across the network powers efficiency. Deliver faster broadband to every location with tens of gigs of capacity per rack unit.

An advanced Core Routing Engine (CRE)

Built on Harmonic-qualified COTS switches, the CRE enables 1+1 high availability and is expandable to support incremental 10G links to RPDs, 100G links to the edge router, or backbone network.

Compact Remote PHY options for your perfect fit

The RPD integrates into a dense PHY shelf or node to deliver high-speed video, data and voice services over coax, and provide legacy Hybrid Fiber-Coaxial (HFC) in a Distributed Access Architecture (DAA) with full RF spectrum coverage.

The native connection with the core supports fiber deep deployments for future-ready network growth. Field-proven remote configuration features reduce truck rolls and bring agility to your operations.

Powerful software-based video engines

You get optimal versatility and agility to deliver high-throughput video services with a converged video solution. Extend the life of your network with complete support for powerkey and privacy mode, or for DVB encryption, and legacy out of band.



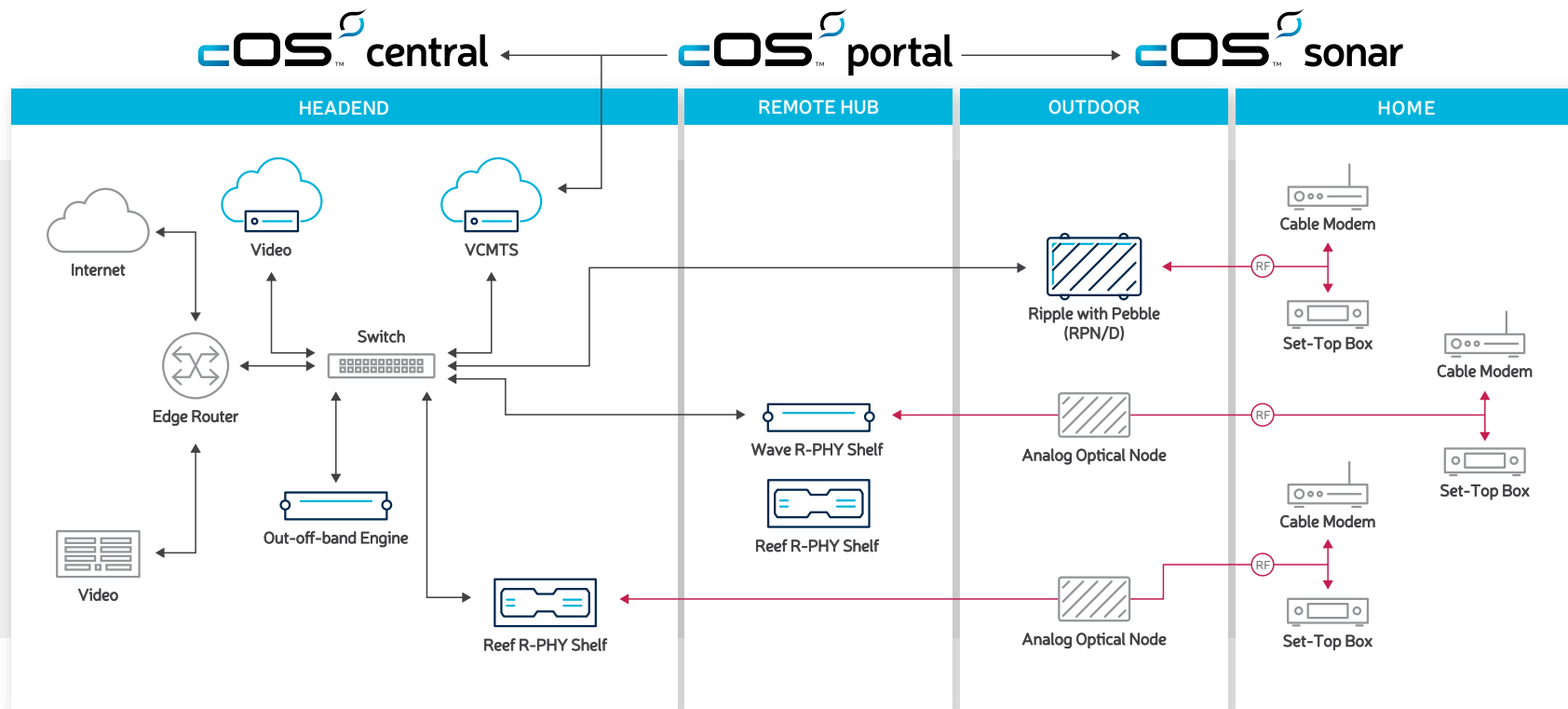
[harmonicinc.com](https://www.harmonicinc.com)

cOS OPTIMIZES YOUR ACCESS NETWORK

- Diminish power consumption and real-estate to simplify your operations.
- Deliver accelerated broadband speeds and next-level customer experiences.
- Increase time to market and provide revenue-driving services faster.
- Integrate seamlessly and leverage interoperability with existing infrastructures.
- Improve network reliability with non-stop data collection and analytics.

cOS Central always supporting you.

Connect to a team of domain experts that continuously review data from the access network to drive your corrective activities. Enrich your NOC environment with metrics, dashboards and alerts using ultra modern, intelligent features.





MULTI-DIMENSIONAL SCALING.

A cloud-native design to roll-out features faster.

Scale subscribers, bandwidth, IP addresses and network functions independent of each other with less downtime. Agile-based DevOps gives you the newest feature sets and the flexibility to quickly scale across multiple dimensions.



GREEN OPERATIONS.

Expand network capacity as you sustainably grow.

A virtualized CMTS is your first step to eliminate hardware constraints and generate up to 75% savings on space, power, cooling and cabling. cOS is a greener, more powerful solution to bring your access network up to speed.



SUPERIOR SERVICE QUALITY.

Maximize performance at every location you serve.

Improve signal quality to deliver high-speed video and voice services to your customers with greater reliability. Your DOCSIS upgrades are seamless to ensure the best service quality in both rural and urban areas.



UNRIVALED SUPPORT.

Trusted experience working for you around the clock.

You can rely on support and services that leverage data-rich analytics for total network visibility. Our years of field experience are at your fingertips to launch your new services and maintain legacy capabilities with total confidence.



INCREASED UPTIME.

Refine your access network inside & out.

An intelligent, customizable and centralized set of tools gives you data-driven knowledge from edge to end. React fast to changing subscriber demands to proactively resolve issues and identify capacity opportunities, before they occur.



CONNECTIVITY & INTEROPERABILITY.

Agnostic with end-to-end network data collection.

Turnkey deployments simplify operations to leverage existing infrastructures and minimize hardware investment. The entire solution is built to work with third-party components and is industry standard compliant.



Pebble R-PHY Device



Ripple R-PHY Node



Shell R-PHY Node



Wave R-PHY Shelf



Reef R-PHY Shelf