# harmonic

**BROADBAND
INDUSTRY HIGHLIGHTS**

# Truth on Unified DOCSIS 4.0

**4.0**

**cOS**™

## Simplify migrations to boost speeds

### Leverage the power of software and Unified DOCSIS 4.0

Dynamically change upstream spectrum allocations and migrate to 1.8GHz when needed to deliver symmetric multigigabit speeds with Harmonic's Unified Pebble-2 remote PHY device, powered by its cOS™ platform's virtualized cable modem termination system (vCMTS) application.

## One solution, more options for DOCSIS and 10G fiber

### Deliver enhanced services to any location, over any wire

Utilize any flavor of DOCSIS, from 3.1, to BoostD 3.1, to Unified DOCSIS 4.0, including Full Duplex (FDX), Frequency Division Duplexing (FDD) and also 10G fiber capability with Harmonic's versatile remote devices. The compact, low-power Oyster node supports a variety of remote PHY and OLT devices, while the Ripple supports multiple remote devices side-by-side to deliver both fiber and DOCSIS services from the same node.

## Drive subscriber satisfaction

### Offer broadband at its best, all the time

With advanced applications for broadband functionality, reliability and subscriber enrichment running on the cOS platform you gain a powerful toolset to reduce latency, increase uptime and maximize speeds, per subscriber.

## Smarter networks with AI and cloud integrations

### Enable proactive corrective action and automate for consistency

Enable channel anomaly detection, self-healing, and predictive power management to optimize networks. Use cOS Central, Harmonic's web-based suite, with analytics, insights, and streaming telemetry to enhance efficiency, deploy services faster, and proactively ensure high subscriber satisfaction.

> *"Unified DOCSIS 4.0 combines FDX and FDD to maximize HFC network value, boost broadband speeds, and enhance subscriber quality of service."*

**Asaf Matatyaou**
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