



Harmonic Advances CableOS Solution with Expanded Cloud-Native and New FTTH Capabilities

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Powerful New CableOS Version Extends Cable Access Leadership

SAN JOSE, Calif., Sept. 30, 2019 /PRNewswire/ -- Harmonic (NASDAQ: HLIT) today announced further innovative advancements to its groundbreaking CableOS™ solution. Designed from the ground up as cloud-native, the CableOS platform and applications add powerful scalability, resiliency and data-center agility capabilities. This new version also includes both containerized DOCSIS CMTS and passive optical network (PON) applications, enabling converged delivery of broadband-over-cable and fiber-to-the-home (FTTH) services.



"Building on Harmonic's established leadership position with its CableOS offering, we are further unleashing the power of cloud-native architectures," said Nimrod Ben-Natan, senior vice president and general manager, Cable Access Business at Harmonic. "DOCSIS CMTS and PON OLT are now simply containerized CableOS applications that run in parallel on the CableOS platform. We are delivering on the promise of smarter and simpler operations for our cable customers who are increasingly requesting converged solutions for cable- and FTTH-based broadband services."

Benefits of the original software-based CMTS pioneered by Harmonic included state-of-the-art bandwidth delivery through commercial-off-the-shelf servers instead of inflexible custom hardware, thereby reducing space, power and hardware upgrade constraints. Now added to the CableOS solution are the cloud-native operational advantages of smaller operating domains, flexible high-availability architectures, elastic scale-out for service expansion, expanded telemetry and simplified A/B testing of new features. Based on open-standard Kubernetes, the CableOS platform dynamically orchestrates containerized applications and is designed to be flexibly deployed across headend, data center and cloud environments.

The CableOS solution also takes advantage of its cloud-native platform to support converged DOCSIS CMTS and FTTH PON OLT applications, and additional containerized access applications such as DOCSIS 4.0 in the future. 10G EPON and 10G XGS-PON are both included in the new CableOS version, as is a remote CableOS OLT module that has the same footprint as Harmonic's Pebble Remote PHY device. Through a single CableOS instance running in a centralized data center, operators can simultaneously deliver Remote PHY DOCSIS and Remote OLT FTTH services, dramatically simplifying the operational complexity of managing and scaling multiple broadband access applications.

"Fiber-to-the-home services are increasingly becoming a standard offering alongside DOCSIS among global MSOs," said Jeff Heynen, research director, Broadband Access and Home Networking, Dell'Oro Group. "Having a cloud-native-based platform to converge the deployment and management of both services will be critical to helping MSOs simplify the management of both services and, ultimately, ease the transition from coax to fiber when necessary."

Harmonic will demonstrate its latest CableOS solution with Remote OLT FTTH capability at the SCTE Cable-Tec Expo, Oct. 1-3, in New Orleans at Booth 247. Further information about Harmonic and the company's solutions is available at www.harmonicinc.com.

About Harmonic

Harmonic (NASDAQ: HLIT), the worldwide leader in video delivery technology and services, enables media companies and service providers to deliver ultra-high-quality broadcast and OTT video services to consumers globally. The company has also revolutionized cable access networking via the industry's first virtualized cable access solution, enabling cable operators to more flexibly deploy gigabit internet service to consumers' homes and mobile devices. Whether simplifying OTT video delivery via innovative cloud and software-as-a-service (SaaS) technologies, or powering the delivery of gigabit internet cable services, Harmonic is changing the way media companies and service providers monetize live and VOD content on every screen. More information is available at www.harmonicinc.com.

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the

Securities Exchange Act of 1934. Statements concerning Harmonic's business and the anticipated capabilities, advantages, reliability, efficiency, market acceptance, market growth, specifications and benefits of Harmonic products, services and technology are forward-looking statements. These statements are based on our current expectations and beliefs and are subject to risks and uncertainties, including the risks and uncertainties more fully described in Harmonic's filings with the Securities and Exchange Commission, including its Annual Report on Form 10-K for the year ended Dec. 31, 2018, its Quarterly Reports on Form 10-Q and its Current Reports on Form 8-K. The forward-looking statements in this press release are based on information available to Harmonic as of the date hereof, and Harmonic disclaims any obligation to update any forward-looking statements.

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