



Harmonic Debuts Cable Industry's First 32-Wavelength DWDM Networking System

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Enhanced METROLink(TM) System Increases Network Capacity, Enables

Targeted, Revenue-Generating Services

Â¶ Harmonic Inc. (Nasdaq:HLIT) today announced a major advancement in DWDM systems that doubles the capacity of fiber networks without increasing spectrum requirements. The new METROLink(TM) DWDM transmission system can multiplex up to 32 wavelengths with 100-GHz (0.8 nm) spacing on a single fiber, providing the greatest bandwidth and scalability currently available to the cable industry. The increased capacity made possible by the new METROLink system will enable the delivery of more value-added narrowcast and multicast services to more subscribers over existing network infrastructures.

Harmonic's new 100-GHz METROLink DWDM system offers a simple, cost-effective way to increase cable network capacity, as laying new fiber is not always practical from a logistical, financial or timing standpoint. MSOs can simply add transmitters to incrementally increase bandwidth, thereby paying for and using only what they need, in response to growing user demand. This bandwidth can be used to more efficiently introduce revenue-generating service such as video-on-demand (VOD), Internet access and telephony. With a reach of up to 200 kilometers, METROLink also allows operators to distribute narrowcast services directly from the headend, eliminating the need to install costly equipment in the hubs.

"With the introduction of the METROLink system in 1998, Harmonic became the first company to provide DWDM systems to cable operators around the world," said Patrick Harshman, president of Harmonic's Broadband Access Network Division. "Harmonic continues to invest heavily to advance the technology, introduce industry-leading products and build the deep expertise needed to implement reliable, high-performance DWDM solutions. The 100-GHz METROLink enables the balanced network architecture that is critical to provisioning the growing array of interactive narrowcast and multicast services. It also highlights why Harmonic is a leader in DWDM for both the forward and return paths."

Simple, Fast Integration with Existing Fiber Networks

METROLink is a complete, integrated family of DWDM networking systems -- including transmitters, multiplexers, demultiplexers and optical amplifiers -- for transporting analog video, QAM-modulated digital video and IP data. METROLink can be used in conjunction with Harmonic's MAXLink(TM) 1550 nm transmission systems, which utilize independent segments of the spectrum, to provide an optimized narrowcast/broadcast solution.

The METROLink system's compact size lets operators fit up to 10 transmitter modules in a single three-rack-unit (RU) platform. Simple "plug-and-play" operation reduces installation time and costs, and speeds the time it takes to get new services to market. As with other Harmonic HFC products, the system can be managed and monitored with Harmonic's NETWatch(TM) Element Management System, an SNMP-based system that safeguards the reliability and efficiency of transmission performance.

About Harmonic Inc.

Harmonic Inc. is a leading provider of digital video, broadband optical networking and IP delivery systems to cable, satellite, telecom and broadcast network operators. Harmonic's open standards-based solutions for the headend through the last mile enable customers to develop new revenue sources and a competitive advantage by offering powerful interactive video, voice and data services such as video-on-demand, high definition digital television, telephony and Internet access.

Harmonic (Nasdaq:HLIT) is headquartered in Sunnyvale, Calif., with R&D, sales and system integration centers worldwide. The Company's customers, including many of the world's largest communications providers, deliver services in virtually every country. Visit www.harmonicinc.com for more information.

This press release contains forward-looking statements, including, but not limited to, the increased capacity of the new METROLink system to enable delivery of more value-added services, the introduction of revenue-generating services, and Harmonic's continued investment in DWDM solutions, within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. In addition, actual results could differ materially from those projected in the forward-looking statements as a result of the risk factors set forth in documents that Harmonic files with the SEC, including reports on Form 10-K and 10-Q.

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CONTACT: Aries MarketMasters (for Harmonic)

Dawn Danaher, 714/378-5841 (Media)

danaher@keymaster.com

or

StreetConnect (for Harmonic)

Michael Newman, 408/542-2760 (Investor Relations)

mnewman@stct.com