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Marvell Introduces New Link Street Switches with Energy Efficient Ethernet and Audio Video Bridging Support

New devices slash power consumption while boosting multimedia performance

SANTA CLARA, Calif., May 11, 2011 /PRNewswire/ -- Marvell (Nasdaq: MRVL), a worldwide leader in integrated silicon solutions, today announced three new additions to its Link Street® Ethernet family, providing Fast and Gigabit Ethernet solutions for low-cost, power-sensitive applications. The Marvell® 88E6352, 88E6250 and 88E6220 all feature integrated PHYs that support the 802.3az Energy Efficient Ethernet (EEE) standard as well as a number of advanced features, including Wake-on-LAN (WoL), an integrated Power-On Reset controller and Power Monitor.

(Logo: <https://photos.prnewswire.com/prnh/20100719/SF36559LOGO-b>)

In addition, the new devices support IEEE 802.1's new Audio Video Bridging (AVB) standards, designed to enable seamless delivery of time-sensitive multimedia traffic for both consumer and professional AV applications on an easy-to-configure Ethernet network. They also support the IEEE 1588v2 Precision Time Protocol (PTP) standard, which enables synchronization of nodes across an Ethernet network to less than one microsecond.

This new family of devices is designed to provide cost- and energy-efficient solutions for the public and private cloud access markets, including wireless routers, gateways and enterprise network access, while expanding the capabilities of Ethernet to address the needs of media-centric applications in home cloud applications, such as set top boxes, digital video recorders, audio/video receivers and many more.

Key Facts:

- AVB creates a connection-oriented, Ethernet-based network, providing time and bandwidth guarantees for multimedia content
- Energy efficiency and high performance are key components for cost-effective, cloud-based services and proliferation of cloud networks
- Space-saving and cost-optimized packaging with integrated voltage regulation reduces system costs
- Devices are sampling now, with production quantities scheduled to be available in the third quarter of 2011

Product Highlights:

88E6352

- 7-port Gigabit Ethernet switch featuring five integrated triple-speed PHYs, GMII, RGMII, and Serdes/SGMII interfaces
- Integrated PHYs support 802.3az Energy Efficient Ethernet, which reduces power consumption by over 70% when the network is idle
- Supports latest AVB standards
- 256 entry TCAM provides packet inspection of up to 96 bytes deep
- Supports IEEE 1588v2 for industrial Ethernet applications
- Low cost 128-pin QFP (14x14mm) packaging

88E6250 and 88E6220

- The 88E6250 is a 7-port Fast Ethernet switch featuring five integrated FE PHYs and two RMII (or one MII/RGMII) interfaces
- The 88E6220 is a 4-port Fast Ethernet switch featuring two integrated FE PHYs and two MII/RMII interfaces
- Integrated PHYs support 802.3az Energy Efficient Ethernet, which reduces power consumption by over 50% when the network is idle
- Supports latest AVB standards
- Supports IEEE 1588v2 for industrial Ethernet applications
- Packaged in a 64-pin QFN (9x9mm), the smallest footprint 7-port FE switch on the market today.

Supporting Quote:

Ali Khan, a director of marketing for Marvell Semiconductor, Inc., said, "Marvell's new Link Street SOHO switches offer an extremely competitive array of benefits in the home cloud where cost, ease-of-use and flexibility are of the utmost importance. The simultaneous reduction in power consumption and increase in multimedia performance represent exactly the kind of value Marvell aims to consistently deliver to the market."

Related Links:

- Marvell Online Press Kits: http://www.marvell.com/company/press_kit/

About Marvell

Marvell (NASDAQ: MRVL) is a world leader in the development of storage, communications, and consumer silicon solutions. Marvell's diverse product portfolio includes switching, transceiver, communications controller, wireless, and storage solutions that power the entire communications infrastructure including enterprise, metro, home, and storage networking. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit Marvell.com.

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