



Broadcom Introduces Industry's Longest Reach 28Gbps Repeater ICs for Network Backplane and Front Panel Applications

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SAN JOSE, Calif., March 22, 2016 (GLOBE NEWSWIRE) -- Broadcom Limited (NASDAQ:AVGO), a leading designer, developer and global supplier of a broad range of analog and digital semiconductor connectivity solutions, today announced a new set of 8-channel 28Gbps repeater IC devices, the BCM82109 and BCM82181, designed for network backplane and front panel applications. The BCM82109 is an 8-channel unidirectional repeater device footprint-compatible to the Broadcom BCM82209 unidirectional retimer device. The BCM82181 is an 8-channel bidirectional repeater device footprint-compatible to the Broadcom BCM82381 bidirectional retimer device. The new devices are designed to address low power requirements while providing sufficient link performance to meet the IEEE 802.3 25/100GbE and 32GFC requirements for backplane, front panel and active copper applications.

Product Highlights

- Power consumption < 100 mW per channel
- Compensates up to 16 dB of channel loss while providing additional Tx pre-emphasis
- Supports link training, auto negotiation and FEC pass-through
- No reference clock needed
- Dual supply: 1.0V and 2.5V/3.3V
- Dual control interface: MDC/MDIO and BSC

"With the addition of the BCM82109 and BCM82181 low power 28Gbps repeater devices, Broadcom now has a complete portfolio of signal conditioning solutions allowing our expanded customer base to solve a myriad of signal integrity challenges at 25/28Gbps signaling," said Lorenzo Longo, senior vice president and general manager of the Physical Layer Products Division at Broadcom.

Broadcom will be showcasing the new devices in the Broadcom Booth 1264 at the Optical Fiber Communication (OFC) 2016 exhibition in Anaheim, California from March 22nd to 24th.

Product Availability

Broadcom has begun shipping volume production quantities of both the BCM82109 and BCM82181 and is currently accepting orders for these products. Please contact your local Broadcom sales representative for samples and pricing.

About Broadcom Limited

Broadcom Limited is a leading designer, developer and global supplier of a broad range of analog and digital semiconductor connectivity solutions. Broadcom Limited's extensive product portfolio serves four primary end markets: wired infrastructure, wireless communications, enterprise storage and industrial & other. Applications for our products in these end markets include: data center networking, home connectivity, broadband access, telecommunications equipment, smartphones and base stations, data center servers and storage, factory automation, power generation and alternative energy systems, and displays. For more information, go to www.broadcom.com.

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