

PRODUCT NEWS

Broadcom Extends Automotive Ethernet Leadership with New Innovative Gigabit-capable PHY, Secure Switch and Smart Camera MCU

Industry Leading Portfolio Delivering Unmatched Performance, Efficiency and Scalability for In-Vehicle Connectivity, Infotainment, ADAS and Smart Mobility

SAN JOSE, Calif., Oct. 08, 2018 (GLOBE NEWSWIRE) -- Broadcom Inc. (NASDAQ: AVGO) today announced its latest portfolio of automotive Ethernet devices designed to advance in-vehicle connectivity, infotainment, advanced driver assistance systems (ADAS) and smart mobility. With more than 50 million automotive 100BASE-T1 BroadR-Reach® PHY and switch Ethernet ports shipped and growing, Broadcom expands its portfolio with the addition of 1000BASE-T1 PHY, secure switch and smart camera MCU devices to address new and emerging applications.



Automotive 100BASE-T1 / 1000BASE-T1 Ethernet PHY:
BCM8988xAutomotive 100BASE-T1 / 1000BASE-T1 Switches with Full Security:
BCM8955xAutomotive Camera MCU with Computer Vision Functionality:
BCM8910x PHOTO --
Broadcom Inc., San Jose, California, USA

As the inventor of the 100BASE-T1 BroadR-Reach technology, the founding member of OPEN Alliance and an active contributor to IEEE 802.3 task force, Broadcom has played a major role in establishing one pair Ethernet as a new standard that has paved the way for a slew of new in-vehicle connectivity applications. Broadcom's latest array of innovation and proven technologies include:

- 100BASE-T1 / 1000BASE-T1 Ethernet PHY: BCM8988x
- 100BASE-T1 / 1000BASE-T1 switches with full security: BCM8955x
- Camera MCU with computer vision functionality: BCM8910x

Ethernet has become the de-facto networking technology for connecting various electronic systems in the car, such as body electronics, infotainment, and ADAS. High speed Ethernet links are essential in getting endpoints such as cameras, RADAR and LIDAR to transfer large amounts of data across the network for accurate real time decision making. Broadcom's latest addition of 1000BASE-T1 PHY and secure switches address this need for higher bandwidth while providing an unprecedented level of performance, efficiency and scalability.

The BCM8988x (1000Base-T1 PHY) and BCM8955x (Secure Switch) are designed to operate over one pair UTP cables which are important for reducing weight, space and system cost. These products also deliver best-in-class EMC and EMI performance and support PoDL functionality for automotive applications. The BCM8910x (Camera MCU) devices with fully integrated image processing and Ethernet streaming pipeline allow for scalable camera solutions from low latency video encoders to smart camera MCUs, addressing a wide range of automotive vision-based applications.

Broadcom will showcase its latest portfolio of automotive Ethernet devices and discuss next generation technologies at the 2018 IEEE-SA Ethernet & IP @ Automotive Technology Day in London, UK from October 9th to 10th.

"We are excited to be leading the next evolution of in-vehicle connectivity and networking. Broadcom has been instrumental in developing the automotive One Pair Ethernet technology and ecosystem from inception. As new technologies make inroads into vehicles, Ethernet will play a crucial role in the next wave of automotive applications. Our latest offering of Gigabit capable portfolio and our continued efforts to define next generation PHY technologies, is empowering auto manufacturers to bring new innovations to next generation connected vehicles," said Ali Abaye, senior director of marketing of the Physical Layer Products Division at Broadcom.

"The push towards vehicle automation is driving the separation of sensors and processing, while also mandating the fitment of higher-resolution sensors. Both of these trends will in turn drive the adoption of reliable and higher throughput in-vehicle networking standards," said James Hodgson, senior analyst at ABI Research. "These new gigabit-capable product launches will help Broadcom to maintain the leading position they have developed in automotive-grade Ethernet."

Availability

Broadcom is sampling the BCM8988x, BCM8955x and BCM8910x to selected automotive OEMs and Tier 1 suppliers. Please contact your local Broadcom sales representative for samples and pricing.

Further information on the BCM8988x, BCM8955x and BCM8910x can be found online at:

<https://www.broadcom.com/products/ethernet-connectivity/copper-phy/automotive-transceivers/bcm8988x>

<https://www.broadcom.com/products/ethernet-connectivity/copper-phy/automotive-switches/bcm89559>

<https://www.broadcom.com/products/ethernet-connectivity/copper-phy/automotive-microcontrollers/bcm8910x>

About Broadcom

Broadcom Inc. (NASDAQ:AVGO) is a leading designer, developer and global supplier of a broad range of digital and analog semiconductor connectivity solutions. Broadcom Inc.'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, set-top box, broadband access, telecommunications equipment, smartphones and base stations, data center servers and storage, factory automation, power generation and alternative energy systems, and electronic displays. For more information, go to www.broadcom.com.

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A photo accompanying this announcement is available at

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