



## **Automotive OPEN Alliance Drives Continued Innovation for the Connected Car**

### ***Technical Committees Release Specifications and Tools to the Public***

**DETROIT, Michigan — April 7, 2015**

The [OPEN Alliance \(One-Pair EtherNet\) Special Interest Group \(SIG\)](#), a non-profit industry alliance established to drive wide scale adoption of Ethernet-based automotive connectivity, today announced broad availability of its automotive Ethernet specifications. The [public release of the specifications](#) is aimed at continuing the Alliance's demonstrated momentum in establishing single pair Ethernet as the connectivity technology of choice for the connected car. For more information visit [www.opensig.org](http://www.opensig.org).

"The automotive industry is experiencing one of its most transformative periods in history and it's all about connectivity," said Natalie A. Wienckowski, General Motors' Architect - Electronics Hardware Global Lead and OPEN Alliance SIG Chair. "Based on its high bandwidth, price-performance, ubiquity and inherent network security features, use of automotive Ethernet is on a significant trajectory. By making our specifications widely available, we can further drive wide scale adoption of the technology throughout the automotive ecosystem."

Analysts predict the automotive Ethernet segment to grow exponentially over the coming years, reaching 15 to 20 automotive Ethernet ports per vehicle by 2020<sup>1</sup>. As the proven technology of choice pervasive throughout the enterprise, Ethernet delivers the same performance and cost benefits to the car environment, creating an efficient, secure, high-bandwidth network on wheels.

Membership in the automotive [OPEN Alliance SIG](#) has grown significantly since its inception in the fall of 2011 with representation from >250 of the world's leading automakers, tier one suppliers and technology companies. The released specifications are the result of the work conducted by numerous technical committees focused on driving interoperability, compliance and testing requirements.

This month the SIG introduced its tenth technical committee, focused on further reductions in energy consumption. Automotive networks rely heavily on partial networking in which some segments are hibernated and woken up on demand. TC10 will focus on establishing support for sleep mode and a wake up mechanism tailored for automotive use cases. For a complete list of available tools for all phases of development and validation for single pair Ethernet, visit [www.opensig.org/tech-committees/](http://www.opensig.org/tech-committees/).

## **About OABR**

One Twisted Pair Ethernet, also known as Open Alliance BroadR-Reach (OABR), delivers high-performance bandwidth of 100 megabits per second (Mbps) per port while dramatically reducing connectivity costs and cabling weight. A growing number of automotive OEMs have deployed OABR technology to serve as a single-network platform, with the inherent security features, scalability and flexibility to be used in a broad segment of in-vehicle applications. The formation of the [IEEE 802.3 task force](#) to advance One Twisted Pair 100 Mbps Ethernet is expected to further drive wide scale adoption of the technology.

## **About the OPEN Alliance SIG**

The OPEN Alliance (One-Pair Ether-Net) Special Interest Group (SIG) is a non-profit, open industry alliance of mainly automotive industry and technology providers collaborating to encourage wide scale adoption of Ethernet-based networks as the standard in automotive networking applications. Since its inception, the OPEN Alliance SIG has surged to more than 250 members strong. For more information visit [www.opensig.org](http://www.opensig.org).

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## **Resources:**

<sup>1</sup> Strategy Analytics, October 2014

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