

LitePoint Joins Car Connectivity Consortium to Support Standardization and Interoperability of Vehicle-to-Smartphone Connectivity

Ultra-wideband technology to enable contactless, location aware and secure communication between smartphones and vehicles.

SAN JOSE, California

— January 31, 2023 —

LitePoint, a leading provider of wireless test solutions, is pleased to announce its membership in the Car Connectivity Consortium (CCC) with the goal of ensuring a seamless end-user experience for keyless entry in cars and trucks.

In the effort to allow consumers to use their mobile devices for secure keyless entry and access to their vehicle, the CCC launched the Digital Key Release 3, a standardized technology that uses Ultra-wideband (UWB) in combination with Bluetooth® Low Energy to allow contactless, location aware and secure communication between smartphones and vehicles.

LitePoint, as a leader in the design verification and production testing of wireless products, brings a complete set of turnkey automated test solutions for the Ultra-wideband and Bluetooth® Low Energy technologies.

Convenience, security, and privacy protection will be prime factors in the successful adoption of UWB. As a leader in wireless testing, LitePoint understands how device calibration and validation are of utmost importance from the lab to product production, to ensure device interoperability and to deliver optimum user experience. “LitePoint is committed to enabling the UWB ecosystem and with our tight partnership with leading RF chipsets, module makers, and device manufacturers we’re excited to help build the UWB ecosystem,” said Adam Smith, Director of Product Marketing at LitePoint. “We are excited to help propel this technology in the automotive industry.”

Technical Details

LitePoint’s IQgig-UWB test platform is the first fully integrated test solution to calibrate and validate devices with UWB technology. The test platform offers complete physical-layer testing and calibration of devices enabled with UWB technology including IEEE 802.15.4z. The system has a precision trigger and response mechanism to enable time of flight measurements with picosecond-level accuracy and comprehensive transmitter and receiver testing with over 1.5 GHz of single-shot bandwidth and receiver sensitivity testing below -100 dBm.

UWB devices are commonly configured with Bluetooth® Low Energy technology. LitePoint offers complete RF test solutions for Bluetooth® Low Energy on the IQxel-MW 7G test platform.

For more information on IQxel-MW 7G test system visit [IQxel-MW 7G](#).

For faster time to market, LitePoint’s turnkey [IQfact+™](#) test automation software provides complete automation for PHY conformance testing including tester control, Device Under Test (DUT) control, and data collection.

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LitePoint is also a member of the FiRa Consortium, a member-driven organization focused on the secure fine-ranging and positioning capabilities of UWB technologies.
For more information on LitePoint's IQgig-UWB test system, visit [IQgig-UWB](#).

About the Car Connectivity Consortium

[The Car Connectivity Consortium](#)[®] (CCC) is a cross-industry organization advancing technologies for smartphone-to-car connectivity solutions. The CCC represents a large portion of the global automotive and smartphone industries with more than 150 member companies. The CCC member companies include smartphone and vehicle manufacturers, automotive tier-1 suppliers, silicon/chip vendors, security product suppliers, and more. Its Board of Directors includes individuals from charter member companies Apple, BMW, Ford, General Motors, Google, Honda, Hyundai, LG, Mercedes-Benz, NXP, Panasonic, Samsung, Thales, Volkswagen and Xiaomi. For more information, visit www.carconnectivity.org.

About LitePoint

[LitePoint](#) creates wireless test solutions and services for the world's most innovative wireless device makers, helping them to ensure their products perform for today's demanding consumers. A leading innovator in wireless testing, LitePoint products come out of the box ready to test the most widely used wireless chipsets in the world. LitePoint works with the leading makers of smartphones, tablets, PCs, wireless access points and chipsets. Headquartered in Silicon Valley, California and with offices around the world, LitePoint is a wholly owned subsidiary of Teradyne (Nasdaq:TER), a leading supplier of both automatic test equipment and industrial automation solutions. For more information, visit teradyne.com. Teradyne[®] is a registered trademark of Teradyne, Inc. in the U.S. and other countries.

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