Decawave Chooses LitePoint to Ensure Quality of Ultra-Wideband Devices

LitePoint IQgig-UWB™, the world's first fully integrated UWB test platform, is chosen by Decawave to test its pioneering UWB products

SUNNYVALE, Calif. — April 16, 2019 — LitePoint®, a leading provider of wireless test solutions, announced today that Decawave, a global leader in ultra-wideband (UWB) semiconductors, has selected the LitePoint IQgig-UWB™ test solution for validation of its UWB devices.

Decawave announced in February its roadmap for next-generation UWB chipsets, aimed at solving the global need for increased mobile transaction security. Key applications include highly secure mobile financial and access transactions and the ability to use precise location to combat malicious attacks that enable the hacking of wireless payments and the theft of modern vehicles. Decawave selected the new LitePoint IQgig-UWB platform for validation of its UWB chipsets. The new Decawave platform will continue to deliver state of the art real time location capability for industrial and consumer applications while offering much lower solution cost thanks to a higher level of integration and 4x to 9x lower power consumption compared to current generation.

"As the first fully integrated test platform for UWB technology, the IQgig-UWB is essential for getting new UWB devices to market," said Adam Smith, Director of Product Marketing at LitePoint. "The IQgig-UWB is a comprehensive, one-box test solution that enables a seamless and cost-effective transition from the lab to the manufacturing floor."

"Increasingly sophisticated attackers are driving a need for better security in the next generation of mobile devices, and our IEEE 802.15.4z-based chipsets will enable higher security in mobile transactions," said William McFadden – COO of Decawave. "Partnering with LitePoint for validation testing of our new 4z-based chipsets will ensure that we are able to quickly roll out these new chipsets."

Technical Details

The IQgig-UWB test platform offers complete physical-layer testing and calibration of devices enabled with UWB technology. The system has a precision trigger and response mechanism to enable Time of Flight (ToF) measurements with picosecond level accuracy and comprehensive transmitter and receiver testing with over 1 GHz of single-shot bandwidth and with receiver sensitivity testing down to -100 dBm. The 4z test feature is being finalized and the initial version will be available later in Q2 2019.