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Ellisys Adds Support for USB Power Delivery 3.0 Specification

Protocol and Electrical Analysis Suite Updated for Enhancements Defined by Latest Specification

Geneva, Switzerland — April 12, 2016 — Ellisys, leading provider of USB and Bluetooth[®] protocol analyzers, testers, and compliance suites announced today it has added feature support for the USB Power Delivery 3.0 specification to the analysis suite on it its widely adopted Ellisys Explorer™ 350 Protocol Test platform. USB Power Delivery, from USB Implementers Forum (USB-IF), was first announced in July 2012 and brings about significant power enhancements from traditional USB specifications, providing up to 100W of power. The USB Power Delivery 3.0 specification adds various changes, including advanced battery management, protocol optimizations, security commands for authentication, and various other power and protocol enhancements. In addition to supporting USB Power Delivery, the compact, multi-function Explorer 350 is used by USB developers worldwide to analyze and test silicon, end products, cables, and Intellectual Property (IP) for USB Type-C™, SuperSpeed USB 10Gbps (USB 3.1 Gen 2), SuperSpeed USB (USB 3.1 Gen 1), and USB 2.0.

The Examiner™ compliance test suite, an application add-on to the Explorer 350, is used by USB developers worldwide, at periodic USB compliance workshops and authorized Independent Test Labs (ITLs), where Examiner is deployed in the USB certification process under guidelines provided by the USB-IF.

"No other company has been as aggressive in implementing and delivering test and analysis tools and related specification updates for USB Power Delivery and USB Type-C," stated Mario Pasquali, Ellisys president and CEO. "We have a long list of industry 'firsts,' not just on delivery dates, but on the innovation side as well. Today's developers need advanced, comprehensive tools early and they are increasingly not happy with status quo technology on their analyzer and tester products and technical support models. They get a truly dedicated partner with Ellisys."

"Ellisys supported us in achieving USB-IF USB Type-C certification of our TPS65982 USB Type-C & USB PD Controller to help bring the benefits of USB Type-C to market faster," said Kevin Jones, a marketing and applications director at Texas Instruments. "Their early support on the 3.0 specification will play a central role as our development teams test and validate the latest-generation USB products."

"Compliance testing is the foundation of a thriving, interoperable USB ecosystem," said Jeff Ravencraft, USB-IF President and COO. "Member companies like Ellisys play an important role early in the technology life cycle by supporting the USB-IF certification process."

Versatility

The versatile Explorer 350 gives USB developers the power of choice, as the system can be configured at purchase to support one or more USB technologies and major platform functionalities, keeping costs in check while providing the option to update capabilities in the field as requirements necessitate. The Examiner compliance test suite is an



add-on option to the Explorer 350 platform and includes hundreds of automated tests based on USB-IF specifications (www.usb.org). Tests include protocol and physical layer coverage as defined by various device working groups (DWGs) operating within the USB-IF organizational framework. Ellisys actively participates in these working groups.

About USB Power Delivery and USB Type-C

USB Power Delivery from USB-IF increases power levels from existing USB standards of less than 10W to up to 100W, and provides for power optimizations, power sharing, and other enhancements. For more information on USB Power Delivery, visit www.usb.org.

The USB Type-C cable and connector specification from USB-IF was introduced in 2013. USB Type-C provides a sleek, slim connector design as well as reversible plug orientation and cable direction features. A picture of a typical USB Type-C cable plug is located here. USB Type-C is capable of supporting SuperSpeed USB 10Gbps (USB 3.1 Gen 2) and legacy USB speeds, as well as USB Power Delivery.

Availability, Product Photos, and Information

The Explorer 350 Protocol Test Platform with USB Power Delivery 3.0 support is available for immediate at purchase, and is provided to existing customers at no cost through a software update. For more information, visit www.ellisys.com or contact Ellisys at sales@ellisys.com.

A high-resolution photo can be downloaded from: www.ellisys.com/products/usbex350/images/unit.png A screenshot of the Analyzer software is available at:

www.ellisys.com/products/usbex350/images/ex350a soft overview.png

Additional information can be found at: www.ellisys.com/products/usbex350

About Ellisys

Ellisys is a test and measurement company committed to the design and timely introduction of advanced protocol analysis solutions for USB and Bluetooth technologies. More information is available on www.ellisys.com.

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