

# FOR IMMEDIATE RELEASE

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# Ellisys Adds Next Generation Features to Bluetooth® Analyzer to Support IoT Developers

# New Capabilities Validated with Leading Bluetooth Developers to Support Speed, Range, and Mesh Networking Enhancements

Geneva, Switzerland — November 15, 2015 — Ellisys, a leading provider of protocol analyzers, testers, and compliance suites for Bluetooth Technology and USB announced today it has added protocol analyzer support for several next-generation features that are expected to be central to the role of Bluetooth in the Internet of Things (IoT). Support for these features is provided on the widely adopted Bluetooth Explorer 400 Protocol Analysis System and was initially added in July of this year and subsequently validated with dozens of its leading edge customers.

The new updates include advanced capture and analytical features supporting mesh networking, faster transmit speeds, and longer range. This month, the Bluetooth Special Interest Group (SIG) released a 2016 roadmap preview with statements describing these important additions to Bluetooth Technology.

"We have already released these new updates to our customers, many of which are actively creating the foundation for Bluetooth in the IoT," stated Mario Pasquali, Ellisys president and CEO. "The reconfigurable aspect of the Bluetooth Explorer 400 allows us to quickly introduce support for even the most complex advancements in Bluetooth Technology, months before specifications are finalized, as is the case again here. This approach streamlines product development cycles, plays a key role in proving major application-level concepts, and helps developers confidently roll out new products."

#### Mesh Technology

Anticipating the Bluetooth role in the IoT, various companies have already introduced their own variants on mesh technologies for Bluetooth. Mesh networks avoid the traditional network centralization approaches and use a topology where each device can talk to any other device, using a combination of direct and node-relayed communications. This approach provides various advantages, notably a distance advantage over the traditional centralized approaches, as messages can be relayed from one node to another until the final recipient node is reached.

#### **Range and Speed Enhancements**

The Bluetooth Explorer 400 has also been updated to capture and analyze the range and speed enhancements listed in the aforementioned Bluetooth SIG roadmap preview. These enhancements separately address an extension of range of up to 1 kilometer, and a doubling of the maximum throughput rate to 2Mbps. These enhancements are designed to make Bluetooth more suitable for home automation and industrial applications, M2M applications, asset tracking, and other applications.



## Revolutionary Digital Radio Enables Immediate Updates as Bluetooth Technology Evolves

Thanks to its revolutionary and proprietary whole-band digital radio, the highly extensible Bluetooth Explorer 400 is able to support test and development of specification updates as they are brought up in developer labs or at industry testing events organized by the Bluetooth Special Interest Group (www.bluetooth.org). This is done with just a simple software update, and importantly, no need (or long wait) for an expensive hardware upgrade. Best of all, this update is free of charge for Ellisys customers - absolutely no annual maintenance charges.

## **Bluetooth Explorer 400 Major Features**

The Bluetooth Explorer 400 uniquely supports one-click concurrent, synchronous capture of:

- Classic Bluetooth BR/EDR
- Bluetooth Smart (Bluetooth Low Energy)
- 2.4 GHz Raw Spectrum Energy
- USB HCI (1 port), UART HCI (2 ports) and SPI HCI (2 ports)
- Logic signals
- Audio I2S
- Wireless Coexistence Interface 2 (WCI-2)
- Encrypted Traffic

## Availability, Product Photos, and Information

The Bluetooth Explorer 400 is available in various configurations in order to meet specific customer requirements. For more information, including software downloads, please contact sales@ellisys.com or visit www.ellisys.com/products/bex400.

A high-resolution photo can be downloaded from: www.ellisys.com/archive/images/bex400.png

#### **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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