eVision Systems announces the 100BaseT1 Automotive Ethernet Protocol Analyzer from Prodigy Technovations

Forstinning (Germany), 25. Sept 2020 – eVision Systems GmbH authorized Prodigy Technovations Pvt. Ltd. Distributor for Central Europe has announced the 100BaseT1 Automotive Ethernet Protocol Analyzer. The PGY-100BASE-T1-PA is an industry-first passive tap standalone automotive Ethernet Protocol analyzer. With this device, Prodigy enables non-intrusive monitoring of the 100BaseT1 bus on the physical layer and ensures the latency-free and accurate acquisition of protocol data over a long time.

The feature-rich ADAS systems require radar and camera systems with very high performance and resolution. As a result, the bus systems in the vehicles require more and more speed and bandwidth. The two-wire full-duplex signaling 100BASET1 (PAM3) of Automotive Ethernet meets the needs of the automotive industry and offers fast data communication. The implementation of Automotive Ethernet in the vehicles presents several challenges. Among other things, errors in the data communication between the individual control units (ECU) must be detected and corrected.

Prodigy Technovations has developed PGY-100BASET1-PA Automotive Ethernet Protocol Analyzer which accesses the in-vehicle bus by passive tap and acquires the Ethernet packets with a high-resolution time stamp. PGY-100BASET1-PA enables Design and Validation design engineers to accurately characterize the timing issues between Master and Slave ECUs. With powerful basic and multi-level layer 2 to layer 7 protocol trigger capabilities the capture protocol activity can be triggered at any specific event. PGY-100BASE-T1-PA supports continuous streaming of captured protocol data to host computer SSD/HDD enabling long-duration capture.

Key Features of PGY-100BASET1-PA Automotive Ethernet Protocol Analyzer

- Protocol Decode and Analysis of 100BaseT1 Bus

- Passive Tapping allows the non-intrusive method of monitoring 100BaseT1 Bus

- Powerful multi-layer protocol layer trigger capabilities enable capturing data at specific events.

- Decoding of T10 Sleep and Wakeup events of master and slave

- Continuous streaming of protocol activity SSD/HDD enables long-duration capture of protocol data

- Simultaneously monitoring of 100BaseT1 and MDIO/MDC protocol Activity

"Automotive Ethernet design and test engineers are facing challenges while passively tapping the 100BaseT1 bus for reliable Protocol Analysis," says Josef Ostermeier, Business Development Manager at eVision Systems GmbH. "PGY-100BASET1-PA helps solve the problems by non-intrusively tapping the 100BaseT1 Bus, offering reliable data capture for accurate timing and protocol analysis over long period of data capture"

Pricing and Availability

The [PGY-100BASET1-PA](), 100BASET1 Automotive Ethernet Protocol Analyzer is now orderable.

Pricing and availability info via email: [sales@evision-systems.de]()

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About eVision Systems GmbH

eVision Systems GmbH supports companies targeting the development of microelectronics, with a substantial portfolio of measuring- and testing equipment, electronic design automation (EDA) development tools and services.

Since we founded eVision Systems GmbH, it has always been the goal to help young, innovative companies to enter the Central European market. It is common to all their products that the technology is unique, that they are more than an alternative to established solutions and that they enhance and complement existing design flows. Safety in the design, reusability and increased productivity as a result, are the success factors for their customers.

Together with ALDEC, Agnisys, Dediprog, Micron Advanced Computing Solutions, One Spin Solutions, Passmark, PEmicro Computer Systems, Prodigy Technovations, Sigasi und Total Phase , we work with customers throughout Europe.

You can find more information on our website: www.evision-systems.de or on our online shop www.evision-webshop.de.

About Prodigy Technovations

Prodigy Technovations (www.prodigytechno.com) is the leading provider of innovative protocol analysis solutions for mainstream and emerging technologies. We provide Protocol Decode, and PHY layer testing solutions on Test & Measurements equipment's. Prodigy Technovations is member of Open Alliance, MIPI, JEDEC, SD Association, and PCIe associations. It is actively involved in working with industry leaders and redefining the protocol analysis for mainstream and emerging interfaces.