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OnTime Networks Launches new Cloudberry CM-2900-AERO Series 32 Port Managed Airborne Gigabit Ethernet Switch, with PTP GMC or TC capability

San Diego, CA October, 21 2014 – OnTime Networks, a global leader for rugged, time synchronized Ethernet solutions for the Aerospace and Defense Industry, announced today the expansion of its military-grade Gigabit Ethernet switch portfolio with the new Cloudberry CM-2900 AERO Series.

The new CM-2900-AERO Series is a rugged, fully managed, Commercial Off The Shelf (COTS), 32 port (10/100/1000BASE) Gigabit Ethernet switch with PTP IEEE 1588 Grand Master Clock support and a free running clock as the time base, optimized for aircraft and military network system applications.

The CM-2900 AERO Series is designed to reduce rack space requirements, cut costs, eliminate routine maintenance and deliver increased network availability. It's rugged and compact 2U case fits into standard 19" racks. Loaded with advanced software capabilities for network management, network optimization, and powerful network security the unit is an ideal solution for high port count network-centric test instrumentation environments onboard vehicle, aircraft, and shipboard platforms to connect IP-enabled devices.

Øyvind Holmeide, Managing Director of OnTime Networks stated, "The Cloudberry CM-2900-AERO Series is a high port-count Gigabit Ethernet switch that features a high-performance chipset designed to enable simple, automated, end-to-end switch and access point solution which will help Aerospace and Defense customers achieve advanced network performance and lower maintenance costs." Holmeide continued, "The new switch series also offers rich managed Layer 2/Layer 3 (L2/L3) features in an easy to use solution with reduced complexity, thus bringing a high-performance, yet cost-effective solution to the Aerospace and Defense Industry segment."

About CM-2900-AERO Series

Designed to meet civil and military specifications, the Cloudberry CM-2900-AERO Series offers advanced Layer 2 networking capabilities with 32 ports of non-blocking wire-speed 10/100/1000Mbps connectivity. With its integrated management capabilities, the CM-2900-AERO, enables end nodes to operate with synchronization accuracy better than 30ns across the operating temperature range of -15 to +70C and extreme shock/vibration conditions. Featuring Mighty Mouse connectors in an aluminum chassis, the unit serves as an ideal solution for connecting IP-enabled embedded devices in a demanding environment.

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The CM-2900-AERO Series implements the Precision Time Protocol (PTP) according to IEEE 1588 Std 2002 (PTPv1) and IEEE 1588 Std 2008 (PTPv2). With its unique PTP implementation and embedded PTP version translator, the CM-2932F0-GMC-AERO allows Slave Clocks of either PTPv1 or PTPv2 to co-exist in the same network.

This fully managed, Layer 2 Gigabit switch provides a powerful set of carrier-grade networking features, including support for IPv4 multicast traffic filtering according to static filters or IGMP snooping, Virtual Local Area Networks (VLANs), port control (speed / mode / statistics, flow control), Quality of Service (QoS) traffic prioritization, Link Aggregation (802.3ad), SNMPv/1/v2/v3 management, secure authentication (802.1X, ACLs, Web/CLI), redundancy (RSTP/MSTP) and port mirroring.

The CM-2932F0-GMC-AERO is tested according to RTCA DO-160G and features no moving parts, military temperature grade components, and isolated power supply that protects against voltage surges, spikes and transients.

About OnTime Networks

OnTime Networks is a technology leader for rugged, time synchronized, fully managed, modular Gigabit Ethernet switches, specifically designed to operate reliably in the harsh and climatically demanding environments of the Aerospace and Defense Industry. Recognized for innovation and excellence, OnTime focuses on precise time over Ethernet according to IEEE 1588 (PTP) as core technology. For more information, please visit www.ontimenet.com.