



CLOUDBERRYMIL

CM-6900 SERIES

OnTime Networks Launches NEW Rugged Military 19" Ethernet Switch, Router, and Network Time Server, with Cisco 5921 Advance Protocol Package and Time Server capability (IEEE 1588 PTP, NTP, IRIG, 1PPS)

Las Vegas, NV, October 23, 2017 – OnTime Networks, a global leader for rugged, time synchronized Ethernet solutions for the aerospace and defense industries, announces the expansion of its military-grade gigabit Ethernet switch and router portfolio with the new CloudberryMIL CR-6900 Series.

The new Cloudberry CR-6900 19" 2U Series is a commercial off the shelf (COTS), fully managed Layer 2/3 Ethernet switch with an embedded Cisco 5921 Embedded Services Router (ESR) IOS and network time server capability (IEEE 1588 PTP, NTP, IRIG, 1PPS), in a rugged housing. It is specifically designed to provide reliable, high-performance connectivity for extremely demanding size, weight and power (SWaP) constraints in harsh demanding environments (e.g. high altitude, extreme shock & vibration, extended temperatures, humidity, noisy EMI, dirty power).



The CR-6900 is an ideal solution for forward-fit and retrofit applications. It provides a technology advantage for deploying data, video and voice services virtually anywhere LAN/WAN connectivity may be required, especially in mobile, airborne, ground, manned or unmanned vehicle and sensor applications. With routing speeds of up to 500 mbps for the Cisco 5921 ESR package or near full wire speeds for OnTime Networks' own router package, the unit offers a powerful network solution.

With up to 48 gigabit Ethernet and four 10 gigabit Ethernet ports, the CR-6253F2 provides a robust network routing architecture with the performance, security, quality of service (QoS), high availability and manageability that customers expect from Cisco IOS-based technologies. The familiar Cisco IOS router software and the Cisco-like CLI interface on the switch management side minimize training requirements and provide extensive support for IPv4/IPv6 routing protocols, IP multicasting, Radio Aware Routing (RAR), Dynamic Link Exchange Protocol (DLEP), remote VoIP, Firewall/IPS/IDS, Mobile Ad Hoc Networking (MANET) and Mobile IP routing for connectivity in Comms on the Move (COTM) applications.

Its modular rugged design, enclosed in a rugged 19" 2U housing, requires no active cooling and will provide a number of connector options (RJ-45 and 38999). The unit features a military-grade power supply for aircraft (MIL-STD-704F) and ground (MIL-STD-1275D) vehicle use, as well as MIL-STD-461F EMI/EMC filtering.

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Markus Schmitz, Managing Director of OnTime Networks in the U.S., stated "The NEW CloudberryMIL CR-6900 Series high-performance switch/router platform has been designed from the ground up to perform in the harshest environments providing reliable connectivity for land, air and sea platforms. The CR-6900 MIL Series delivers either the Cisco 5921 ESR IOS or OnTime Networks router package with up to 48 GbE ports and 4 10GbE ports. Therefore, the CR-6900 provides the right mix of performance and scalability to meet the requirements of today's Aerospace and Defense platforms.

Scott Killian, Director of Sales of OnTime Networks further commented, "In addition to the routing and switching capabilities, the CR-6900 is a high-performance network time server with both IEEE1588-2002/2008 and NTP support. This platform offers the ability to be inserted on a technology refresh, allowing new IP based systems to work seamlessly with legacy IRIG or 1PPS systems."

About CR-6900-MIL Series

OnTime Networks' CloudberryMIL CR-6900-MIL Series is a rugged fully managed Layer 2/3 Ethernet Switch, with embedded Cisco 5921 Embedded Services Router (ESR) IOS, in a rugged 19" 2U housing, specifically designed to reliably provide high-performance connectivity for extremely demanding size, weight and power (SWaP) constraints, in harsh demanding environments (e.g. high altitude, extreme shock & vibration, extended temperatures, humidity, noisy EMI, dirty power). The unit is designed to meet the environmental requirements of MIL-STD 810G and the EMI/EMC requirements (Conducted & Radiated Emissions & Susceptibility) of MIL-STD 461F, 704E and 1275.

Further, the CR-6900-MIL is a reliable and accurate PTP Grand Master Clock (GMC) or Transparent Clock/Slave Clock (TC/SC) fulfilling IEEE 1588 STD 2002 (v1) and IEEE 1588 STD 2008 (v2). Both PTPv1 and PTPv2 Slave clocks can co-exist in the same network by using the PTP version translator feature of the CR-6900-MIL platform. The switch can also act as a NTP Network Time Server (NTS) and provide GPS emulation output both when enabled as a GMC and when operating as a TC/SC. GPS emulation means Pulse Per Second (PPS) output signals via dedicated connectors (TTL) as well as NMEA telegrams via the network connection or RS232. Further, the unit can distribute multiple IRIG-B (AM/DC) and 10MHz outputs via dedicated connectors on the front of the unit.

This fully managed, Layer 2/3 Gigabit router/switch provides a powerful set of 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), SNMP v1/v2/v3 management, secure authentication (802.1X, ACLs, Web/CLI), redundancy (RSTP/MSTP) and port mirroring.

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CLOUDBERRY MIL

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FOR IMMEDIATE RELEASE

The unit provides different power supply options from 115VAC to a dual power supply option featuring 115VAC and 28VDC input, with polarity protection and DC power hold-up (option) support is available as well. 48 Ethernet 10/100/1000BASE-T(x) copper ports are available through the 48 RJ-45 connectors as well as 2x 1000BASE-T(x) and 2x 1000BASE-X fiber port connections.

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.

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