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## New Military-grade, Managed, 8 Port Gigabit Ethernet Switch from Techaya leads SWaP Innovation with Credit Card-sized Platform

MilSource will distribute COTS 8 port switch that delivers advanced networking features and Gigabit speeds for Ground Force, Avionic and Autonomous Vehicle applications in the US

Los Angeles, CA, July 30, 2013 – Building upon its recent delivery of miniaturized, ruggedized, military grade Ethernet switches, MilSource, a newly-formed U.S.-based distributor of military-grade Ethernet connectivity solutions, today announced the availability of the Techaya [MILTECH 918](#) ultra-compact 10/100/1000 managed [gigabit Ethernet switch](#). With dimensions of 3.94" x 3.5" x 1.4", the MILTECH 918 is slightly larger than a credit card and weighs only 0.86 lbs. The small form factor, advanced networking features and MIL-STD-1275 & 704 compliance make it ideal for UAV or tactical communications systems that need wire-speed forwarding rates for applications such as video and sensor data acquisition and transmission.

Driven by rapid advancement and lower costs, Ethernet is becoming the standard for connecting the IP-based components of the autonomous vehicles, robots, and other military and harsh mobile applications. These rugged components need to be connected with equally reliable, purpose-built Ethernet switches. The growing sophistication of the components demands equally sophisticated switch features. Using less than 8W of power at 24VDC, the MILTECH 918 supports advanced networking features including:

- Spanning tree protocols to provide redundant, optimized paths when using multiple switches.
- VLAN tagging which allows logical separation of different network uses.
- QoS enforcement ensures that time-sensitive network traffic gets higher priority.
- Link Aggregation allows the traffic from multiple ports to be combined for higher bandwidth flows of information.
- Authentication ensures that only authorized devices may send traffic through the switch.

"Our recent introduction of the MILTECH 308 was an industry first in terms of delivering basic Ethernet connectivity in the most compact platform available on the market today." said Ronen Isaac, MilSource vice president. "The MILTECH 918 builds upon that miniaturized, ruggedized platform, but delivers triple-speed managed Gigabit Ethernet capabilities for more demanding networking requirements."

The MILTECH 918 features mechanical packaging enhancements designed for MIL-STD-810F/G/GM for airborne and ground environmental and EMI compliance (MIL-STD-461E) with high reliability. The unit has been especially hardened to improve ingress, impact, and shock/vibration protection. All moving parts have been eliminated and the unit uses passive

cooling and sealed MIL-SCE circular connector interfaces. These devices are ideally suited for C4ISR and battlefield communications operations in harsh ground, aerial and marine environments.

MilSource will be featuring the MILTECH 918 the AUVSI show in Washington DC, Aug 13-15, booth #2553. For more information on the Techaya product line, go to [www.militaryethernet.com](http://www.militaryethernet.com). For more information on miniaturized, ruggedized Ethernet switching in military applications, download our [white paper](#).

#### About MilSource

MilSource takes 20+ years of computer and networking experience and brings a consultative approach to the military and aerospace industry. Noting the pervasiveness of Ethernet as a key networking component in the military/aerospace markets, the founders of WLANmall formed MilSource to focus on bringing these markets innovative, rugged, military-grade Ethernet communications solutions. MilSource is the exclusive U.S. distributor of Techaya's MILTECH line of military-grade switching, routing and other communications solutions. For information on MilSource or the Techaya product line, go to [www.militaryethernet.com](http://www.militaryethernet.com).

#### About Techaya, Inc.

Techaya Inc. is a prime developer, innovator and manufacturer of military-grade, ruggedized COTS and "tailor-made" IP-based communication solutions where extreme conditions and unique tactical requirements are the norm. Their products and solutions are designed for military tactical rugged and unique applications involving extreme environmental conditions. Developed for military and harsh environment applications, the MILTECH product range features mechanical packaging enhancements designed for MIL-STD-810F airborne, marine and ground environmental compliance and high reliability. The unit has been especially hardened to improve ingress, impact, and shock/vibration protection, as well as eliminate all moving parts through passive cooling, and interface through sealed MIL-D-38999 circular connectors. Techaya's MILTECH products are tested and certified by an external accredited laboratory for MIL-STD-810F, MIL-STD-461E, MIL-STD-1275B, MIL-STD-704A, HIK-7 and IP-68. Visit [www.techaya.com](http://www.techaya.com).