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FOR IMMEDIATE RELEASE:**IHS GLOBAL - AEROSPACE TECHNOLOGY: TECH REVIEW - ENABLE-IT OUT OF THIS WORLD CAPABILITIES**

Aerospace Technology
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LAS VEGAS, NV, February 12th, 2015 --- By David Conners Chief Engineer at Enable-IT: Ethernet Extension Experts.

2003 NASA deploys Enable-IT Technology in the most demanding environment possible — space. Solving LAN distance issues for high definition video, sonar, and precision controls on the ISS thanks to Enable-IT Extenders. Aerospace contractors leverage the secure benefits of our technology in OEM designs, enabling solutions for both commercial and defense purposes.

A big push in the aviation and space technology industry has always been to improve situational awareness in the products they produce. Aerospace customers increasingly are having to cope with larger amounts of data and the processing of that data to maximize the delivery of intelligent situational awareness data critical for making decisions. Security has become one of the greatest challenges for Aerospace manufacturers as well because of the ever increasing threat from competitors and especially offshore perpetrators intent on putting simple LAN networking devices into your network capable of tapping into your business secrets and opening backdoors.



A cyber espionage operation by China seven years ago produced sensitive technology and aircraft secrets that were incorporated into the latest version of China's new J-20 stealth fighter jet, according to U.S. officials and private defense analysts. The Chinese cyber spying against the Lockheed Martin F-35 Lightning II took place in 2007 under what U.S. intelligence agencies codenamed Operation Byzantine Hades, a large-scale, multi-year cyber program that targeted governments and industry. Defense officials said the stolen data was obtained by a Chinese military unit called a Technical Reconnaissance Bureau in the Chengdu province. The data was then passed to the state-run Aviation Industry Corp. of China (AVIC). Companies like Versatek – re-branded Huawei have already been caught red handed by the US Government and banned completely in the US for the Chinese Military spyware built in and the equipment is designed to send capture packets to the Chinese PLA Unit 61398 in Shanghai for analysis of trade secrets. Just think of all the hotels out there using Huawei MA5616 DSLAM for Internet access and all the unsuspecting guests having their packets sent and analyzed without their knowledge.

Enable-IT has been attuned to these security challenges from its inception in the late 90's and provides the only certified secure Ethernet and PoE Extenders in the industry that are accepted and deployed widely in US Govt DOD and Govt contractors such as General Dynamics, Honeywell, Rockwell International, Boeing, Sikorsky Helicopter, United Technologies, SAIC, Northrup Grumman and many others. We use secure encryption between our units to ensure the physical security of your data. Devices are also unmanaged to prevent any hacking attempts into your network via our Ethernet Extenders.



What are Ethernet Extenders, Exactly?

Ethernet Extenders (Ethernet Repeaters / Ethernet Boosters / LAN Extenders / CAT5 extenders) are LAN modules that can be used on almost any wiring to transparently drive Ethernet communications beyond the IEEE 802.3 specifications for distance limitation of 328 feet or 100 meters. Traditionally fiber has been the only solution available to extend your LAN until wireless spectrum WiFi standards were available. Unfortunately both technologies have other limitations primarily high troubleshooting costs, unsecure data packets and lack of abilities to transmit power.

Ethernet extenders drive longer range, high-speed data communication between geographically separated LANs or LAN devices and create very cost effective bridged-Ethernet connections. Ethernet Extenders can be used for Point-to-Point (Backbone) runs or Point-to-Multipoint (Ethernet DSLAM – Digital subscriber line access Mux) and are typically deployed in Commercial, Residential, Industrial and Hospitality High Speed Internet Access environments. Ethernet Extenders can be referred to as Network extenders, LAN extenders, Ethernet repeater, CAT5 extenders, Ethernet Bridge, Network Bridge and Ethernet cable extenders and use a variety of transmission technologies over physical media such as copper or fiber. Extenders that use copper wiring operate on 1 or 2 pair unconditioned wiring (POTS) up to category rated twisted pair (CAT3...CAT6).

In 1997, Enable-IT, Inc. (The Ethernet Extension Experts) created the concept and pioneered a revolutionary copper based Ethernet Extension technology that solves all the limitations and issues with the previous fiber or wireless solutions. Enable-IT Ethernet LAN Extenders can drive Ethernet beyond 6,000ft (1.83km), Power over Ethernet with data up to 3,500ft (1.06km) and specializes in custom OEM designs for several different industries.

Why use Enable-IT Ethernet Extenders?

Ethernet Extenders create effective seamless LAN connections across disparate LANs in office parks, across streets, around college campuses, joining remote buildings or within large enterprise businesses. Data communication in extreme environments such as diving bells, mining shafts, outdoor entertainment venues, movie theaters, Cruise ships, remote island neighbors, Antarctic remote monitoring stations, Marinas, International Space Station and Military troops in the field have all benefited from the use of Ethernet Extender Kits.



For more info, visit: enableit.com or

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