

All-Secure™ PON

Executive Summary

Tellabs and Network Integrity Systems provide proven DoD-deployed technologies, that when combined provide U.S. military and federal agencies with truly secure, high-performance, reliable, cost-effective and environmentally friendly Passive Optical Networks (PON) for the LAN.

The High Costs of Active Ethernet LANs

U.S. military and federal agencies still deploying active Ethernet LANs (local area networks) face significant challenges. As end-user demand for high-bandwidth voice, video and data services grows, CIOs must continually spend large percentages of their limited budgets on expensive copper cabling upgrades, equipment replacement and engineer retraining.

With each upgrade the network's electrical and space requirements increase, making it harder for agencies to meet "green" objectives and standards. Further, in order to secure active Ethernet LANs according to the mandated requirements, traditional methods such as Type-1 encryption or legacy Protected Distribution Systems (PDS) have not been able to scale nor are they sufficiently flexible to support today's dynamic multiple network classification environment.

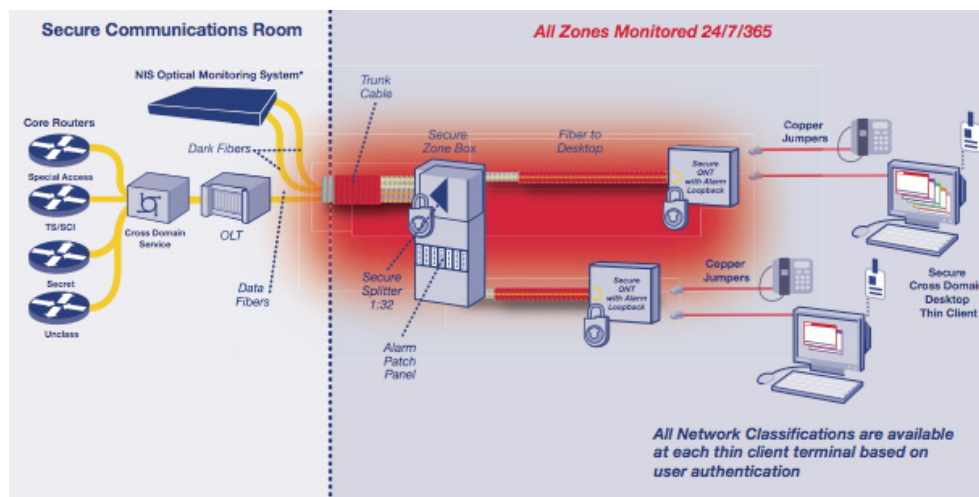
Introducing All-Secure PON

All-Secure PON is being offered by Tellabs and Network Integrity Systems for military and federal agencies looking for a truly secure, high-performance, reliable, cost-effective and environmentally friendly LAN. This integrated solution combines industry-leading Passive Optical LAN solutions based on GPON (gigabit passive optical network) technology along with the INTERCEPTOR™ Optical Network Security System, an Intelligent-PDS™.

Tellabs Passive Optical LAN provides the most efficient, flexible and easy-to-manage delivery of Gigabit network bandwidth to the end user to maximize deployment of voice, video and data services. INTERCEPTOR Alarmed-Armored™ PDS, includes patented INTERCEPTOR data fiber monitoring and concealed flexible interlocking armored cable to provide continuous 24/7/365 real-time monitoring of the fiber optic infrastructure as an integrated solution.

By combining the benefits of Optical Networking and Optical Monitoring, All-Secure PON delivers unparalleled performance, security and information assurance. All-Secure PON is JITC Certified, NISTISSI 7003 Compliant, and DoD-deployed.

Passive Optical LAN + Alarmed-Armored PDS = All-Secure PON



Benefits of All-Secure PON

Cost and Environment Benefits

- Cut capital expenses by up to 70%
- Cut power consumption and heat output by up to 80%
- Cut floor, rack and closet space by up to 90%; reduce or eliminate comm closets
- Cut PDS installation costs up to 66%
- Cut PDS Moves/Adds/Changes (MAC) costs up to 75%
- Meet your green environmental goals
- Reduce maintenance burden and support costs
- Improve environmental standards and building aesthetics by eliminating concrete encasement and metal conduits
- Get the lowest PDS deployment cost and complexity
- Integrate into your existing environment without construction costs

Functional Benefits

- Deploy as an integrated solution – no longer is the network and its physical protection managed as separate pieces of technology
- Take advantage of fail-safe and nuisance-free 24/7/365 monitoring
- Eliminate the need for Period Visual Inspections (PVI's)
- Converge data, voice and video on a single fiber
- Centrally manage user bandwidth allocation and enable Gigabit speeds at the desktop
- Easily deploy zero and thin client solutions
- Centralized campus network and security management and alarm response
- Rapidly deploy and reconfigure various network classifications

Summary

Tellabs and Network Integrity Systems offer a powerful, secure network infrastructure solution for U.S. DoD and civilian agencies: All-Secure PON. Stop spending budget maintaining expensive and unsecure active Ethernet LANs. Every DoD and many civilian federal agencies have deployed Tellabs Passive Optical LAN solution and Network Integrity Systems INTERCEPTOR solution. Deployments of All-Secure PON include Dept. of Homeland Security St. Elizabeth's campus, Air Force District of Washington (AFDW) on Joint Base Andrews, and U.S. Army NETCOM HQ (Greely Hall) at Ft. Huachuca.



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