

# INTERCEPTOR Makes SIPRNet Easy!

Network Integrity  
SYSTEMS

We Bring Security To Light™

## 10 Reasons Why The INTERCEPTOR™ Optical Network Security System Is The Best Choice For The Physical Security Of SIPRNet & JWICS Networks.

### 1. Fully Approved PDS Solution

INTERCEPTOR™ is a fully approved alternative to encryption and/or hardened carrier systems per NSTISSI 7003 and is listed on the USAF CTTA Approved Product List for PDS Alarm Systems – the only Approved Product List for Alarmed Carrier equipment in DoD. INTERCEPTOR also complies with agency requirements AR 2-95, AFI 33-201 and NAVSO P-5239-22. INTERCEPTOR has been reviewed by the DISA DSAWG and was confirmed as a viable tool for SIPRNet protection as approved by the local DAA.

### 2. Lowest Deployment Cost and Complexity

INTERCEPTOR eliminates the high costs of materials and labor associated with the installation of concrete encasement in the outside plant and rigid metallic carrier inside the building. By leveraging INTERCEPTOR'S 24/7 monitoring, periodic visual inspections (PVI) – which are required daily for hardened carrier systems – are eliminated along with the potential for human error or oversight. As an alternative to encryption, significant complexity reduction is realized through the elimination of the PVI process.

### 3. Unparalleled Protection and Scalability

Unlike older generation alarm carrier solutions adapted from perimeter security systems, which use a separate (extrinsic) special sensing fiber to monitor the cable pathway, INTERCEPTOR technology monitors the actual fibers within the cable requiring protection. By eliminating the need for an external sensing fiber or proprietary cable, INTERCEPTOR provides fail-safe, nuisance-free monitoring and the ability to scale protection to match the level of classification and/or threats to the network.

### 4. Quickest Path to Protection

With plug-and-play capability, INTERCEPTOR can be rapidly added to new or existing network infrastructure – making migration from NIPRNet to SIPRNet quick and cost effective. As an alternative to encryption, INTERCEPTOR, as a non-COMSEC item, can be easily purchased and deployed with no impact on unit allocations.

### 5. Unlimited Bandwidth

As a purely physical layer device, INTERCEPTOR does not touch, process or verify the network data (IP or cell headers) or the National Security Information, therefore no bandwidth bottlenecks are created, allowing full utilization of the network. INTERCEPTOR is fully compatible with all Ethernet standards and up to and beyond 10Gbps.



## 6. Optimized for INFOSEC and IT Security

Because INTERCEPTOR technology is not an adaptation of perimeter security (fenceline) technology, the system is optimized to detect tampering or intrusions into fiber optic network cabling. This difference is critical: Perimeter security technology is optimized to detect acoustic vibrations of the duct or cable pathway. INTERCEPTOR technology is designed to detect any motion or manipulation of the optical fibers carrying the National Security Information.

## 7. Confidentiality, Integrity And Availability

Interceptor assures that the three tenets of information assurance are achieved: Confidentiality, Integrity and Availability. INTERCEPTOR can be combined with commercial AES or Type I encryption products, for instance in applications such as tunneling SIPRNet traffic over NIPRNet networks, to not only protect the Confidentiality of information, but also to assure the Integrity and Availability of the network.

## 8. Adaptive Fiber Monitoring™

Interceptor enables very creative and flexible network protection, which can be scaled or adapted over time to meet increases in classification or threat level. INTERCEPTOR can be used to monitor up to every fiber in the network to maximize protection, or as few as two fibers per cable to reduce the cost of protection, making INTERCEPTOR the most flexible, scalable and cost effective PDS solution on the market.

## 9. Enhanced Aesthetics

With INTERCEPTOR'S 24/7 monitoring, cables can be installed above ceilings or below floors, eliminating the unsightly rigid metallic conduit or EMT traditionally installed as a hardened carrier PDS system.

## 10. Reusability

Interceptors can be easily redeployed when the network undergoes change.

## Not All Alarm Carrier PDS Technology Is the Same!

Only INTERCEPTOR Meets All of the Following Critical Requirements.

- Intrinsic Fiber Monitoring™ capability – monitors an optical cable using the fibers within the cable
- Operates on either lit (fibers carrying live traffic) or dark fibers
- Monitors up to four cable paths in only a single rack unit (1U)
- Reports intrusions using any or all of the following mechanisms:
  - Dry-Contact Interface
  - E-mail/text page
  - SNMP Trap (using SNMPv3)
- Derives optical monitoring thresholds from an automatic configuration or learning cycle or by using thresholds manually entered by the operator
- Has the ability to generate a new set of auto-configuration thresholds while also monitoring and protecting the optical cable using the existing threshold values
- Management interface accessible by either Telnet, SSH or direct serial connection
- Available in 62.5µm and 50µm multimode, and single mode versions



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