HIGH PERFORMANCE
HIGH RELIABILITY
HIGH SECURITY

Fiber SenSys
DATA SECURITY

SecurLAN™

Alarmed Carrier for Protected Distribution Systems (PDS)

Information is one of the worlds' most sought-after commodities. The data networks used to store and transfer information are under constant cyber-attack. Often overlooked, but equally as vulnerable, are the physical cables that carry this information. ***SecurLAN****, by Fiber SenSys, Inc., protects the cables that form the network from intruders.*

Data encryption is a standard way of protecting information but given enough time encryption can be defeated. Fiber SenSys, Inc., offers **SecurLAN**, an intrusion detection system designed to protect data networks at the ***physical layer***. **SecurLAN** monitors the data cable for vibrations caused when an intruder tries to cut or tap into the network cables. Unlike encryption, **SecurLAN** cannot be "cracked."

Features:

- **Military approved**
- **Layer 1 Physical Data Security**
- **No bandwidth restrictions**
- **No need for daily inspections**
- **Uses multimode or single-mode cable as sensor**
- **No data encryption needed**
- **No hardened carrier needed**

SecurLAN protects network data by using the same advanced fiber-optic sensing technology used worldwide by the military to protect critical resources. **SecurLAN** uses dedicated or existing fibers to sense vibrations from intruders attempting to physically access the conduit or cable. **SecurLAN** fortifies data security.

The **SecurLAN** Alarm Processing Unit (APU) transmits laser light through the sensing fiber and analyzes the light using advanced signal processing. An intruder tapping the data cable will cause a disturbance in the light within the sensor cable instantly alerting the operator. Sophisticated signal processing can discriminate between nuisance sources such as HVAC systems and real intrusions.

Applications:

- **Military facilities**
- **US Government PDS**
- **National laboratories**
- **Banks**
- **Hospitals**
- **Research facilities**
- **Data storage facilities**
- **Command and control centers**

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Whether it is for protecting an existing network or a new one, SecurLAN options save you money. Fiber SenSys alarm processors come capable of protecting one to 25 zones. Cable options include single-strand sensors to protect existing infrastructure or a custom bundled cable option with the sensor cable embedded together with the network cables. Existing dark (unused) fiber (within distances and specifications) can be used or choose bundled "pre-alarmed" or "armored and alarmed" backbone cables to protect the information network.

Fiber SenSys' extensive lineup of proven processor variations, combined with custom tuning and calibration capabilities, provides for optimal and worry-free system performance at the lowest cost per zone in the industry.

Alarm Processors	
The following APUs are compatible with SecurLAN. Please refer to the individual spec sheets for additional information.	
FD331 and FD332	One and two zone APU – IP version also available
FD341 and FD342	One and two zone, remote APU – IP version also available
FD348R	Single-zone, card-style, remote APU. RK348 4U rack-mount chassis accommodates eight APUs.
SL504 and SL508	Four and eight zone, 1U rack-mount, remote APU
FD525 and FD525R	Stand alone or rack-mount 2U remote APU capable up to 25 zones

SecurLAN Specifications	
Application	Physical layer 1 data-protection system
System Control	Fiber SenSys SecurCommander™ or user's existing command and control system
Intrusion Sensor	Single-mode or multimode optical fiber
Alarm Notification	Varies based on command and control system incorporated in the system
Minimum Required Components	• One Fiber SenSys Alarm Processing Unit (APU). See chart above. • Command and control system • Sensor cable • Insensitive cable leads (as needed based on APU)
Optional Components	• Alarm Input/output modules • Optical cutoff switch • Single-mode Activator (for FD34x APUs only)

Compliance

SecurLAN is compliant for use in network Protected Distribution Systems (PDS) at U.S. Government installations built in accordance with the following listed guidelines:

- Committee on National Security Systems CNSSI No.7003 (September 2015) Protected Distribution Systems (PDS)
- Air Force Instruction AFSSI 7703
- U.S. Navy Protected Distribution Systems Guidebook NAVSO P-5239-22
- U.S. ARMY Regulation AR25-2

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Fiber SenSys®

High Performance – High Reliability – High Security