



APPLICATION BRIEF

Network Security and Encryption

Benefits:

- Works on any network regardless of size, type, or topology.
- Protects all data in motion regardless of application, and protocol, over any WAN.
- Secures all network traffic and enables regulatory compliance.
- Enables Service Providers to offer new revenue generating managed services.

Features:

- High performing hardware based engines – no added latency/jitter.
- Industry leading AES-256 encryption.
- Transparent network security overlay for any traffic.
- Separate networking port based encryption with unique encryption key allowing multiple organizations/departments to use same encryption appliance

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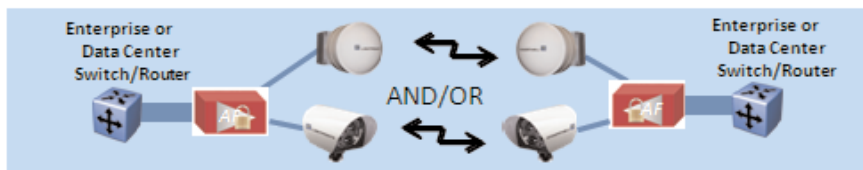
NETWORK SECURITY CRUCIAL FOR MODERN BUSINESSES

Today's enterprises compete on a global scale and today's enterprise networks are the cornerstones of a business' operations. Maintaining competitive advantages and protecting trade secrets from malicious security experts interested in stealing data is a key reality for all enterprises. At the same time, a dizzying array of regulatory compliance requirements is forcing enterprises to adopt stringent security controls. In addition to ensuring compliance, ensuring the integrity and safety of information traversing shared or third-party networks is critical for modern enterprises.

Network security solutions must ensure safe passage of information for all data in motion regardless of application, protocol, or network infrastructure. Security architectures should also separate network and security functions and duties to strengthen control measures and minimize service interruptions. Whatever solutions adopted, they must minimize operation and installation complexities and provide a transparent level of security without affecting network operation or performance. Most importantly, the costs of deploying and implementing a security strategy must not outweigh the derived benefits of the security solution.

LIGHTPOINTE'S ETHERCRYPT ENCRYPTION SOLUTION

LightPointe's high capacity millimeter wave (MMW) and optical wireless (FSO) transport solutions have an extremely high level of physical layer 1 security due to the narrow beam nature of the optical and MMW antenna beam patterns. Customers seeking additional security measures can use the AirForce EtherCRYPT encryption solutions to enable additional layer 2 networking security when sending sensitive information between remote locations. Fully embedded in the simple to install and low cost to operate AirForce network appliance solution, EtherCRYPT non-intrusively integrates with existing enterprise or service provider network infrastructure investments, while offering a truly transparent overlay without imposing any impacts to current network architectures or best practices.



The AirForce EtherCRYPT technology can be leveraged by:

- Enterprises seeking a transparent, scalable and manageable solution to send sensitive and secure information over a network
- Financial Institutions requiring encryption to achieve compliance and tighter control
- Government organizations seeking cryptographic segmentation of sensitive datastreams
- Service Providers seeking to provide security-based service offerings

Application Note