PacketLight Most Powerful Layer-1 Optical Encryption Solutions For Any Purpose

ADVANTAGES

Transparent Data Flow, Low Latency, Full Throughput, No Data Omissions

Tapping Detection Covering Physical Fiber Tapping Detection

Secured Management SNMPv3, SSH, Firewall, HTTPS, RADIUS

Protocol and Vendor Agnostic interconnects any Switch or Router

Encrypted λ Over Existing DWDM and OTN Infrastructure

Long Haul Up to 2500km OTN Capabilities & Runs on 3rd Party OTN Backbone

APPLICATIONS

Secured Fiber Network Infrastructure for:

Carriers and Dark Fiber Providers offering Encrypted Managed Services

Data Center Connectivity
Financial Institutions – Banks, Credit Card

Cloud and ISP Backbone
Utilities and Critical Network Infrastructures

Campuses- Health Care, Government and Research Institutes

FEATURES

CONFIDENTIALITY
Preventing Disclosure of Information

DATA INTEGRITY
Ensuring That the Message Has Not Been Altered

AUTHENTICATION
Ensuring That Both Involved Parties are Identified

FULL BANDWIDTH
Delivers 100% Data Throughput

COMPLIANCE

GCM-AES-256 Encryption
FIPS 140-2 Level 2

CNSA Top Secret Algorithms (NSA Suite B)
Elliptic Curve Diffie-Hellman Key exchange
Authentication using SHA-384, SHA-256

https://www.youtube.com/watch?v=YQ8ie4ZPEhU
PacketLight Encryption Solutions

**PL-1000TE-Crypto**
8 Multirate Multiprotocol DWDM Transponders for DCI embedded with Layer-1 Encryption

Layer-1 GCM-AES-256 Based Encryption Capabilities per wavelength:
- 1G, 10G, 40G Ethernet
- 4G, 8G, 10G, 16G FC

PL-1000TE-Crypto is compact integrated solution for full DWDM and encryption solution within single device. It is bit transparent, maintaining full bandwidth of the traffic, ideal for low latency applications

8 independent encryption AES-256 machines and keys exchange per service/wavelength

Each encryption/decryption machine can be configured to a different service rate/type and has its own key exchange and pre-shared secret

The key exchange protocol is done inband as a part of the encryption overhead without changing the overall bitrate of the service.

**PL-2000M**
200G Single Wavelength Muxponder Transponder for DCI and Metro Applications

Layer-1 GCM-AES-256 Based Encryption for 1 x 200G OTUC2 Uplink and Services:
- 10G, 40G, 100G Ethernet
- 8G, 16G, 32G FC
- STM64, OC-192
- OTU2, OTU2e

PL-2000M 1RU Device supports a flexible mix of 10G, 40G, 100G Client protocols and aggregates them into a single 200G OTUC2 V2 Uplink OTN metro distance Capability up to 1000km

Encryption per Uplink or services

**PL-2000AD**
200G Multiprotocol Multirate Muxponder, Transponder and ADM for Metro and Long Haul

Layer-1 GCM-AES-256 Based Encryption for 2 x 100G OTU4 Uplinks and Services:
- 10G, 40G, 100G Ethernet
- 8G, 16G, 32G FC
- STM64, OC-192
- OTU2, OTU2e

PL-2000AD 1RU Device supports a flexible mix of 10G, 40G, 100G Client protocols and aggregates them into two 100G OTU4 Uplinks OTN metro and long haul distance Capability up to 2500km

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