LambdaDriver® - 4xESCON Muxponder Module (EM2009-EM4)

EM2009-EM4

Features

○ 1 Gbps trunk port rate

○ SFP Digital Diagnostics monitoring

○ Hot swappable

○ 1 slot wide – can be used on all LD chassis

Applications

○ Remote site connection over Multimode or Singlemode fiber

○ Disaster recovery site connection

○ Redundancy storage with 1+1 protection

○ A combination of ESCON and other services in one chassis for transmission over a single fiber pair

○ 4xESCON services for transmission over optical wireless systems (TereScope®)

Overview

The LambdaDriver EM2009-EM4 Muxponder uses advanced TDM technology to transport 4 separate ESCON (200Mbps) data streams into a 1 Gbps trunk port over a single pair of fibers.

This solution provides a significant cost reduction and excellent fiber utilization as compared to discrete optical multiplexing.

The 4 ESCON access ports are SFP receptacles. The trunk port is a 1Gbps SFP based interface that can accommodate various types of SFPs (e.g. Multimode or Single Mode).

Typical applications include:
 - Point-to-point standalone interconnection of up to 4 separate ESCON (one per access port).
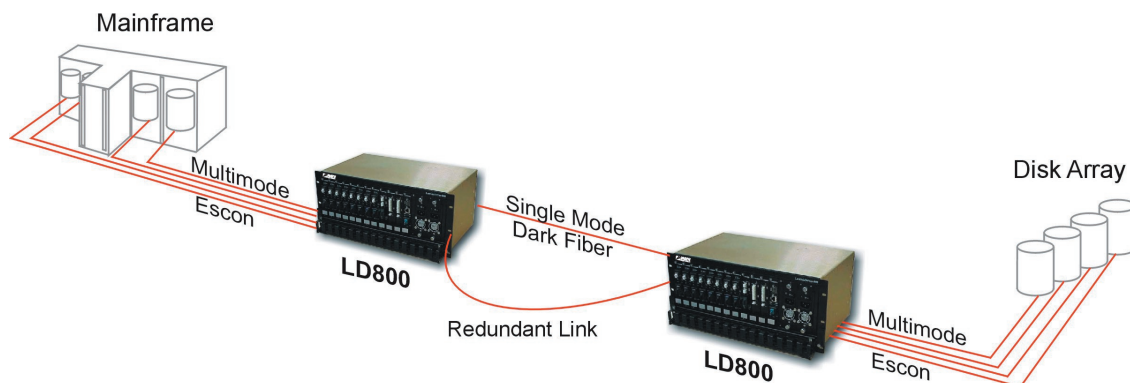- WDM integrated -multiple chassis span -
The modules are manageable by the LambdaDriver management module either locally by RS232 CLI access or remotely by Telnet, SNMP or GUI management via the MRV MegaVision Pro management platform.

Mainframe

Multimode Escon

LD800

Single Mode Dark Fiber

Redundant Link

LD800

Disk Array

Multimode Escon

Environmental

Operating Temperature	- 5 to 45 °C
Storage Temperature	-10 to 70 °C
Relative Humidity	85% maximum, non-condensing
Dimensions (W x H x D)	W: 26.93 x 130.7 x 227 mm 1.06 x 5.145 x 8.93 In
Weight	0.55 kg 1.21 lb
Connector	Access ports and WDM port; SFP receptacles

Technical Specifications

ESCON Interfaces	As per used SFP
TDM trunk interface	As per used SFP
Front Panel indicators	Loss of Signal indication and transmission error for all optical ports
Power consumption	9 Watt

Order Info

Subrate TDM Mux

EM2009-EM4	4 ESCON ports TDM Multiplexer channel card with SFP access and trunk interface

Note: For different optical interfaces and CWDM/DWDM solutions, please contact your local representative.