

# FINISAR®

## Key Features

- ▶ 1RU - small footprint unit
- ▶ Support for two EDFA modules in one bidirectional unit – optional
- ▶ Optical supervisory overlay for remote management:
  - Out of band OSC channel at 1510 nm or 1610 nm
  - Up to 40 dB span budget
  - Standard 100Base-FX Ethernet protocol
  - Internal Ethernet switch and two front panel Ethernet ports for cascading and managing additional units in the same remote site
- ▶ Optional integration of DCM
- ▶ Plug-and-play into all SNMP v2C and v3 supporting systems
- ▶ Web server-based GUI
- ▶ Support for both in-band and out of band management concurrently

## Applications

- ▶ Medium to long links (>200 km), half or full duplex communication
- ▶ Extending fiber link range for: Datacom, enterprise, storage area networks (SAN), disaster recovery sites, defense and utility applications
- ▶ Cost-effective and small foot print alternative to O-E-O repeaters
- ▶ High loss links where Raman amplification is impractical
- ▶ Low latency links (reduced O-E-O, use of DCMs)

## UltraSpan™ Inline Amplifier

### Overview

Finisar's UltraSpan™ Inline Amplifier is a network-ready managed 1RU rack unit designed to support long links which require in-line amplification. The unit includes a built-in option for remote management and monitoring of the amplifier via an optical supervisory channel (OSC) which carries out-of-band (1510 nm/1610 nm) management data between the in-line amplifiers and the amplifiers located at the terminal stations. Thus, all UltraSpan Inline amplifiers along the link are connected to one another via the OSC carrying standard Ethernet, and can be accessed and managed from any of the terminal or in-line locations. As with all UltraSpan products, the unit includes an SNMP agent and GUI-based web server enabling easy management and monitoring by accessing its IP address from any of the Ethernet ports located on the UltraSpan products along the link.

The UltraSpan Inline Amplifier supports all of Finisar's EDFA modules, such as single stage, fixed gain or variable gain EDFA, a dual stage EDFA with mid-stage access for dispersion compensation, or two separate EDFA modules within a single unit for providing bi-directional amplification. There is also an option to integrate a dispersion compensation module (DCM) within the unit.



## System Implementation

