Glimmerglass
Optical Cyber Solutions

Glimmerglass Management Software simplifies setup, monitoring, and operations

Manage Remotely

- Supports SNMPv3 and Command-Line Interface (TL1)
- Robust Graphical User Interface (GUI) for all systems
- Centralized user administration for multiple systems
- Centralized logging of events
- Centralized system configuration and management
- Secure communications using Secure Sockets Layer (SSL)
- Set user privileges on a port-by-port basis
- Bidirectional operation

Control the Optical Layer

- Create optical paths via an intuitive, point-and-click GUI
- View and set rules and parameters for automatic switching on loss of light
- Easily configure and connect to shared system resources such as Variable Optical Attenuators (VOA) and Photonic Multicast Units
- Easily import and export topologies for rapid, system-wide reconfiguration

Monitor Connections With Ease

- At-a-glance status of each port via GUI
- Set power thresholds for color-coded, at-a-glance monitoring of power level on each connection
- Generate reports that are accurate to the second
- Name connections as well as ports for reference and logging

Intelligent Optical Signal Management Solutions

Glimmerglass provides a comprehensive suite of software tools to facilitate the setup, management, and monitoring of its family of Intelligent Optical Systems. Combined with the Systems' ability to rapidly and remotely create, monitor, and reconfigure optical paths in 20 milliseconds regardless of signal rate or protocol, this software provides network operators with unparalleled control of the optical layer.

Software Intelligence

With Glimmerglass software and Intelligent Optical Systems, the optical layer becomes a dynamic and flexible optical signal distribution system, capable of creating and reconfiguring optical paths in milliseconds.
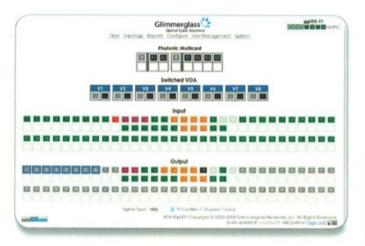
Glimmerglass software is designed to address a broad range of customer needs. Whether it is a telecom service provider using Glimmerglass to improve network availability, or a government agency using Glimmerglass to select optical signals for rapid and secure distribution to end users or facilities, the advanced software has the depth and flexibility to seamlessly handle the task.

www.glimmerglass.com

ClickFlow

The Glimmerglass ClickFlow GUI supports a secure environment with authentication to manage fiber connections, device configurations, topologies and system reports. It provides real-time status reports of all ports and connections, as well as general information about the system and configuration.

SNMP

The embedded SNMP agent allows a SNMP manager to monitor, reconfigure, and manage a Glimmerglass Intelligent Optical System with SNMP Gets, Sets, and Trap functions. SNMP version 3 with compatibility to v2 and v1 is supported.
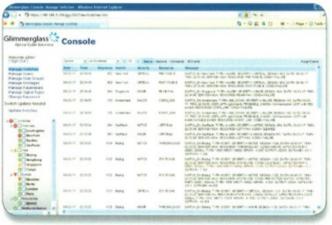
TL1 Command-Line Interface

Transaction Language 1 (TL1) is a management protocol defined in Bellcore Generic Requirements GR-831-CORE. The Glimmerglass Intelligent Optical System extends the TL1 language with a command set that enables command-line and programmatic operation and monitoring of the system.

Glimmerglass Console

Glimmerglass Console (GGC) resides on an independent server and provides web-based, secure communication to multiple Glimmerglass Intelligent Optical Systems. GGC provides a GUI for the centralized monitoring of status and events for all systems.

Users are granted password protected access to the GGC based on their pre-defined role and access privileges, which provides them with a secure client login from anywhere in the world. The Glimmerglass Console Server provides the following general functions:

- Centralized configuration
- Centralized hardware alarm monitoring
- Centralized logging and viewing of events
- Forwarding of Events and SNMP Traps

Physical Interfaces

Control Interface   RJ45 Ethernet 10/100 Base-T

Craft Interface   RJ45 Ethernet 10/100 Base-T and RS 232 (DB9)

Protocols

SNMPv3, TL1, HTML, Syslog

Security

Secure Sockets Layer (SSL)

Web browsers

Microsoft Internet Explorer version 7 or 8

Mozilla Firefox version 2 or 3

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