

OptiConcepts FiberWarrior Centurion™



Key Features & Benefits

- Continuously Monitors Network's Physical Layer
- Monitoring of 2 to 12 Fiber Channels in One Compact Unit
- Detects Fiber Breaks, Bends, Degraded Connector Pairings and Splice Points
- Precise Location of Fiber Faults with GPS Coordinates and Map
- Secure Web Based Access and Data Storage
- Real-Time Alerts Sent via Email and Text
- Rack Mountable Test System

Markets & Applications

- Telecommunications
- Metro Networks
- CATV
- Military & Local Government
- FTTx/PON Testing Compliance
- Utilities and Power Networks

Overview

The FiberWarrior Centurion is an OTDR-based fiber monitoring system designed to ensure the physical layer elements consisting of optical fiber and components of a network are healthy. The system identifies, locates, and reports problems such as fiber breaks, bends, degraded connector and fusion splice points within critical fiber optic networks. Utilizing OptiConcepts OTDR technology, up to 12 fiber channels consisting of dark fiber are initially tested, then constantly monitored without intruding on active fiber channels. Transmitting up to 125km in length per channel, the FiberWarrior Centurion operates via a secure web-based connection. Real-time alerts are sent via text and email to notify operators of issues and exact locations via GPS coordinates and map location. Housed in a 2U rack-mountable housing with an intuitive five-inch touch screen control panel, the unit fits neatly into an existing data center's 19 inch cabinet. Improve efficiency and reduce down time by monitoring the physical layer of crucial fiber optic networks with the FiberWarrior Centurion.

OptiConcepts FiberWarrior Centurion™



Specifications

Physical

Weight	7 lbs (3.2kg)
Dimensions	19.0 x 9.06 x 3.5 in (482.6 x 230 x 88 mm)
Exterior Construction	Black Aluminum
Installation	19" Rack Mount (2U)

Environmental

Operational Temperature	0° to 50°C
Storage Temperature	-20° to 60°C
Humidity	≤95% RH, Non Condensing

Electrical

Power Requirements	AC, 100-250VAC, 50-60Hz
Display	5" Color TFT LCD
User Input Device	Resistive Touch Screen

Computing

Processor	ARM-based CPU or Intel Multicore Processor
Operating System	Linux or Windows
Storage	64Gb
RAM	4Gb
Optical Channels	2 to 12
Interface Connector Ports	LC/UPC, LC/APC, SC/APC, MPO
Networking	WiFi and Ethernet

OTDR

Wavelengths	SM: 1310 or 1550 (± 20nm)
Dynamic Range	32-40dB (dependent on configuration), typical, SNR=1
Pulsewidth Range	SM: 5ns to 20µs
Loss Resolution	0.01dB
Attenuation Deadzone	<10m
Sample Points	400 to 100,000 (dependent on configuration)

Compliance

RoHS, REACH, CE
CDRH Class 1

All specifications are typical and subject to change without prior notification.

OptiConcepts
FiberWarrior Centurion™

Ordering Information



Part Number	Description
FWC-SLD2-26	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 2 Port LC/UPC
FWC-SLD2-46	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 4 Port LC/UPC
FWC-SLD2-86	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 8 Port LC/UPC
FWC-SLD2-126	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 12 Port LC/UPC
FWC-SLD2-27	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 2 Port LC/APC
FWC-SLD2-47	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 4 Port LC/APC
FWC-SLD2-87	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 8 Port LC/APC
FWC-SLD2-127	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 12 Port LC/APC
FWC-SLD2-24	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 2 Port SC/APC
FWC-SLD2-44	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 4 Port SC/APC
FWC-SLD2-84	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 8 Port SC/APC
FWC-SLD2-124	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 12 Port SC/APC
FWC-SLD2-19	FW Centurion Remote Monitoring Test System with Display; 2U Single-mode 12F MPO Port
Custom Configurations Not Listed Are Also Available	

Quality Statement

OptiConcepts is committed to providing high quality, easy to use test equipment by integrating customer needs into world-class engineered products and systems.

