Add value with
Fiberizer Cloud
www.fiberizer.com

AGİZER
Test and Measurement in Fiber Optics

OPX-RTU Series

Modular and scalable solutions

Rack-mounted unit for monitoring systems and remote measurements, or a standalone unit for labs

Can be integrated to any 3rd party systems with the help of an advanced SDK

Web-configurable via intuitive browser interface

Pluggable OTDR and PC modules for quick and easy maintenance and upgrade

Optimized for 24/7 operation, the simplest monitoring solution on the market ready to use out of the box

One module is enough to perform automatic and continuous monitoring of the optic line and control OPX-1xN optical switch

Several modules can be joined together with the help of Fiberizer Cloud to monitor complex networks

Check out our mobile OTDR Trace Viewer and
Fiberizer Mobile Client
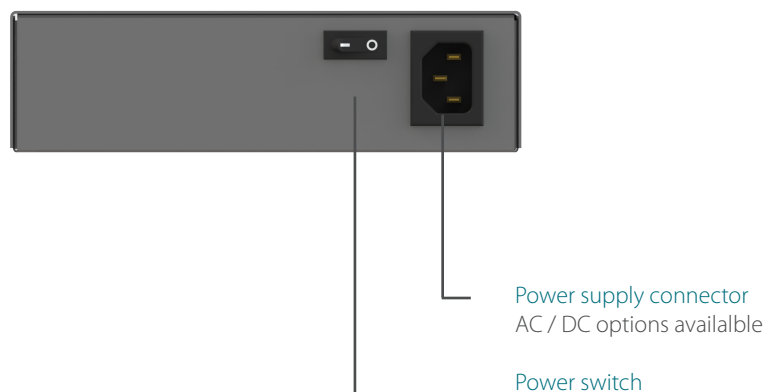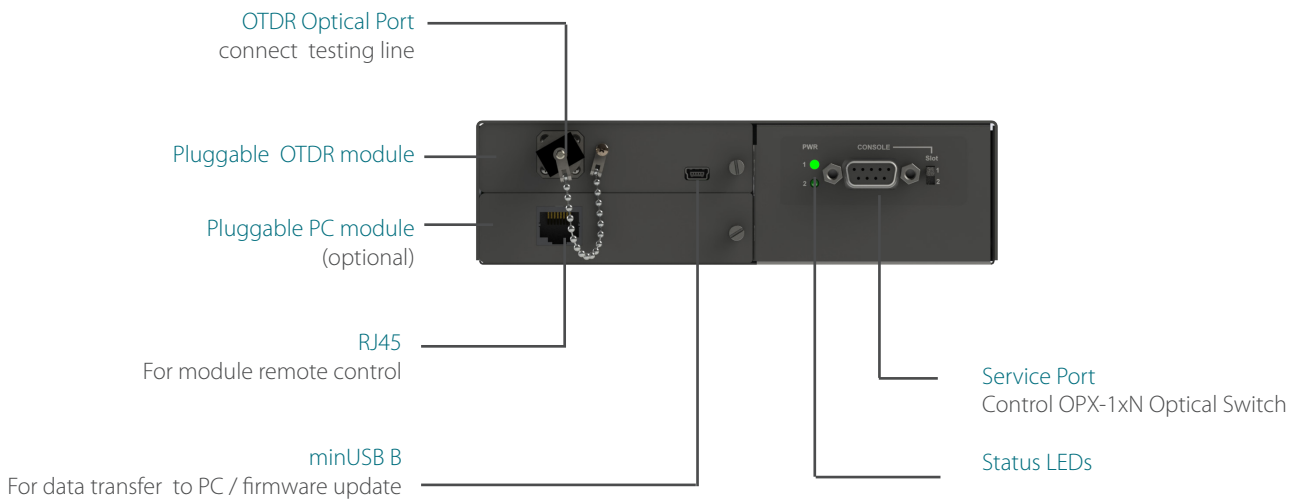for iPhone OS and Android OS.

UNIT DESCRIPTION

Base Unit

Chassis	Rack-mount, 1U/19" size
Connection with PC	USB, RJ45 (TCP/IP)
Power supply	AC (210V) / DC (70V)
Memory (for PC)	built-in SSD hard drive
Dimensions	220×168×45 mm
Weight	1.5 kg

Modular design

- Rack mount holder available for 1U /19" size
- 24/7 optimized design
- Pluggable modules
- Interfaces to access device locally and remotelly

OTDR Optical Port
connect testing line

Pluggable OTDR module

Pluggable PC module
(optional)

RJ45
For module remote control

minUSB B
For data transfer to PC / firmware update

Service Port
Control OPX-1xN Optical Switch

Status LEDs

Power supply connector
AC / DC options availalble

Power switch

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Agizer Online Software for all testing instruments

FIBERIZER CLOUD

Fiberizer Cloud is a complete web solution for business process management in fiber optic testing

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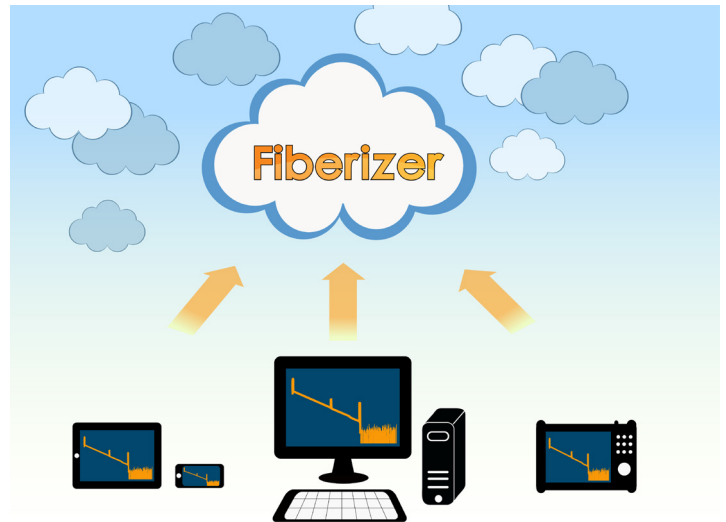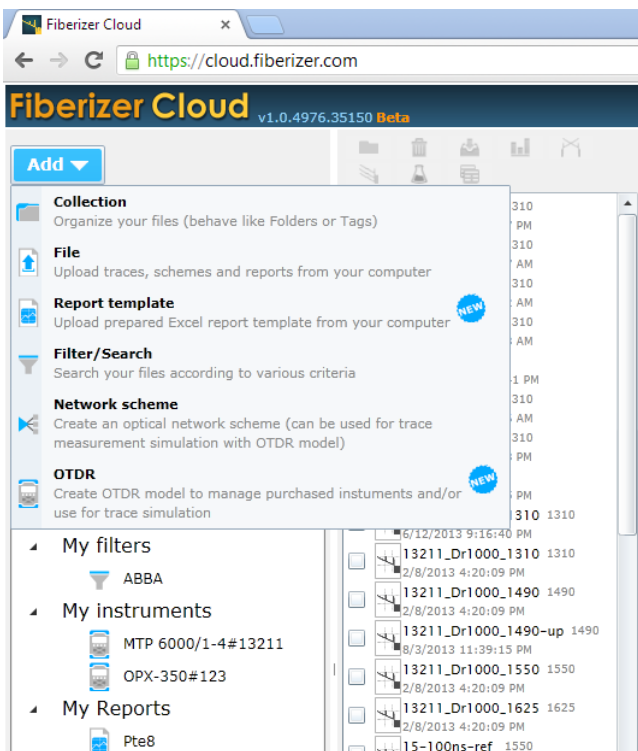www.fiberizer.com

Get access from everywhere

Sign in to your account at home, office or away, on PC, Mac and other devices: iPhone, iPad, Android, and access your online repository of measurement data.

Add support of Fiberizer Cloud to your own OTDR software or tools by using our open API.

Analyze OTDR traces

Fiberizer supports traces from different vendors in Telcordia GR-196 and SR-4731 formats. Bidirectional analysis and template mode comparison are available.

Batch reporting with powerfull customization

Create a PDF ready-to-print report, or an Excel report for further automation. Your report can include your logo, company data and formulas thanks to editable Excel templates.

OTDR Modeling and Simulation

Design your virtual fiber optic line and generate corresponding OTDR traces. Play with OTDR parameters (like Dynamic Range) to see how the trace is changing.

Always up-to-date software

We are continuously implementing new amazing features to Fiberizer Cloud and you will always have the latest version.

Available in two flavors depending on how serious your business needs are:

■ public web edition **www.fiberizer.com** with monthly subscription plans

■ corporate server installation with user-based licensing

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SPECIFICATION

please check "How To Order" page for available models

OTDR Parameters		Singlemode	Multimode
BASE	Wavelength	1310/1550	850/1300
	Dynamic Range	27/25	22/22
	Event/Attenuation Dead Zone	2/10	2/10
OPTIMA	Wavelength	1310/1490/1550//1625	850/1300
	Dynamic Range	36/34/34//38	25/27
	Event/Attenuation Dead Zone	1/4	1/4 (*850nm - 2/10)
PRO	Wavelength	1310/1490/1550//1625	850/1300
	Dynamic Range	39/35/36//39	28/30
	Event/Attenuation Dead Zone	1/4	1/4
PROM	Wavelength	1310/1490/1550//1625	N/A
	Dynamic Range	43/38/43//41	
	Event/Attenuation Dead Zone	2/5	
	Attenuation resolution, dB	0.001	
	Distance measurement accuracy, m	±(0.5 + resolution + 5x10-5xL)	
	Attenuation measurement accuracy, dB/dB	0.05	
	Sampling resolution, m	0.16 … 7.6	
	Sampling points	up to 128 000	
	Optical connectors (changeable)	FC, ST, SC	
	Pulsewidth, ns	6, 25, 100, 300, 1000, 3000, 10000, 20000	
	Distance range, km	5, 10, 20, 40, 80 120, 160, 240	

LIGHT SOURCE

	Singlemode	Multimode
Wavelength, nm	1310 / 1550 / 1625 ±20	850 / 1300
Output power, dBm	> -4	N /A
Power level instability, dB	not more than ± 0.05 (15 min)	N /A
Optical connector	shared with OTDR (same port)	N /A

POWER METER

	Singlemode	Multimode
Calibration wavelength, nm	1310 / 1490 / 1550 / 1625	650 /850
Power range, dBm:		
- standard (PM1)	-65 … +7	-30 … +3/ -60 … +3
- high (PM2)	-45 … +27	-10 … +23 /-40 … +23
Power measurement accuracy, % (dB)	±5 (±0,22)	±12 (±0,5) /±8 (±0,33)
Linearity, % (dB)	±2,5 (±0,11)	±6 (±0,25) /±4 (±0,17)
Resolution, dB	0.01	0.01

HOW TO ORDER

Please send us the following string to order the OTDR

OPX-RTU - XXXX - XX - XX - XX - XX - XX - XX

Device Type

Model

Example: OPX-RTU - PRO-6 LIVE

PRO-15 - Wavelength 1310/1550

PRO-85 - Wavelength MM 850/1300

PRO-5 - Wavelength 1500

PRO-6 **LIVE** - Wavelength1625

PROM-15 - Wavelength 1310/1550

PROM-5 - Wavelength 1500

PROM-6 **LIVE** - Wavelength1625

Embedded PC *(Optional)*

PC (with SSD drive 8Gb)

* The option is not installed by default by default

Software package *(Optional)*

PCSDK (API TL1 protocol)

* The option is not installed by default

OTDR connectors *(Optional)*

U3N - (UPC Changeable ST/SC/FC) no Key.

U3K - (UPC Changeable ST/SC/FC) with Key

A3K - (APC Changeable ST/SC/FC) with Key

U4K - (UPC Changealbe ST/SC/FC/LC) with Key

A4K - (APC Changealbe ST/SC/FC/LC) with Key

UFC , USC, AFC, ASC

* UFC by default

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The Agizer OTDR
RELATED PRODUCTS

Device Type	BASE	OPTIMA	PRO	PROM	LS	PM	VFL
OPX-350	●	●	○	○	●	●	●
OPX-BOX	●	●	○	○	●	○	●
OPX-RTU	○	○	●	●	○	○	○
OPX-970	●	●	●	●	●	○	●
IIT-6000	○	○	●	●	●	●	●
IIT-9000	●	●	●	●	○	○	●

OPX-350

OPX-BOX

OPX-RTU

IIT-6000

IIT-9000

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