

OTT

Optical Test Tool for Fiber Construction and Maintenance



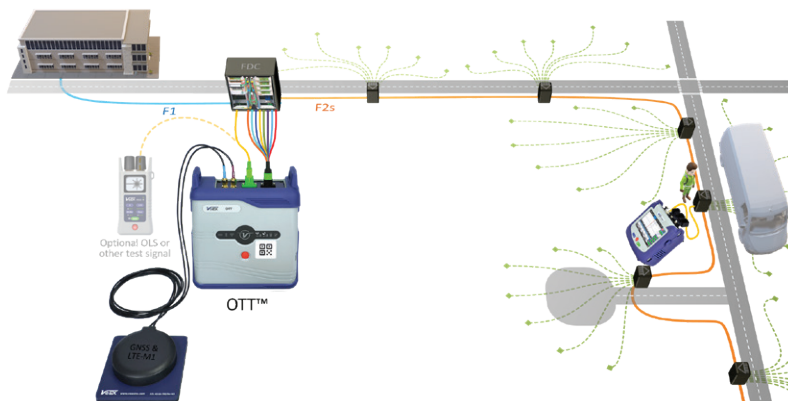
The patent-pending OTT is an innovative test solution that enhances workflow efficiency for field operations at fiber distribution cabinets. Field technicians can remotely switch between up to 16 distribution fibers to the desired Fiber Serving Terminal (FST) using simple text commands. This facilitates accurate power measurements on individual ports, eliminating time-consuming trips back to the fiber distribution cabinet, thereby boosting productivity and reducing operational costs across various testing scenarios.

Platform Highlights

- Intuitive LEDs indicating signal and power levels
- Simple control and operation save time on the job
- IoT enabled communication
- Quick and easy connection to the OTT via QR Code
- Remote control via mobile device
- No software, apps or configurations required
- Handheld, lightweight rugged design
- Supports 1m drop to concrete on all sides
- Splash and dust resistant design
- Standard USB-C port
- Long lasting battery >24h

Key Features

- 1x16 port optical switch
- One input port for external optical source
- One output MPO fan-out cable
- Low insertion loss
- Fast switching time, <1 sec
- Geo-tagging with built-in GNSS receiver
- Combined cellular and GNSS antenna



Specifications

OTT	Optical Switch
Wavelength range (nm)	1260-1650
Maximum Input Power (dBm)	26
Input Ports	1
- Connector Count	1
- Connector Type	SMF SC/APC Female
Output Ports	16
- Connector Count	1
- Connector Type	SMF 16 core MPO/APC Male
Insertion Loss (dB)	≤1.8 ¹
Switching Time (s)	1
Durability	1 billion cycles
Certification	CE, FCC
Cellular	Specification
Networks	LTE bands 2, 4, and 12
Service Provider	Contact VeEX for available options
SIM Type	Micro SIM, cellular plan required
Certifications	PTCRB

Notes

1. Insertion loss based on 1x16 OTT, excluding SC/APC patchcord and MPO fan-out cable, ≤1.8dB

Ordering Information

P/N	Description
Z06-99-286P	OTT Optical Test Tool, battery operated controller/switch 1x16 ports

General Specifications

Size:	187 x 161 x 57 mm (H x W x D) 7.35 x 6.35 x 2.25 in.	Connectivity:	Remote control via mobile phone
Weight:	<544 g (<1.2 lbs.)	Operating Temp:	-10 °C to +50 °C
Construction:	Rugged, polycarbonate chassis, 1 meter drop tested	Storage Temp:	-20 °C to +70 °C
Battery:	Li-ion, 50 Wh 7.2V	Humidity:	0% to 95%, non-condensing
Power Supply:	USB-C Power Delivery (PD), 15V/3A		



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