FTBx-88460 universal 400G solution for field and lab applications

All-in-one multiservice tester for field, data center, manufacturing and lab applications

Thanks to the Open Transceiver System (OTS) with interchangeable interfaces, the FTBx-88460 test module is designed to quickly adapt to all kinds of environments.

The module can be housed within the FTB-4 Pro **portable** platform or the LTB-8 **rackmount** chassis.

Future-proof OTS design

The 400G tester is equipped to support any current or next-gen client and coherent transceivers. Instead of swapping the whole tester, the OTS design allows you to quickly mount different types of interfaces, minimizing your investment.

- Adaptability to upcoming transceivers—i.e., 400G OIF ZR, Open ZR+ and OpenROADM
- No new module/test solution needed—faster, easy and economical approach to switch from one interface to another
- Flexibility and investment protection

Remote desktop capability

The Windows-based design enables remote operation through TeamViewer, Remote Desktop (RDP), Virtual Network Computing (VNC), Microsoft Teams and the free remote software, EXFO Remote Toolbox.

- Perform tests and evaluations remotely
- Connect to a fixed/wireless Ethernet network or hotspot for easy access—no need to connect to the customer network
- Perform automation tasks using SCPI and Python in an automated test environment

1GE all the way to 400GE

A single test solution for all Ethernet rates from 1GE to 400GE (inclusive + 10GE, 25GE, 40GE, 50GE, 100GE and 200GE). Ethernet rates can be enabled at any time without having to add an extra module.

No need to handle multiple testers; save time for turning up and configuration.

The 400G tester does the following:

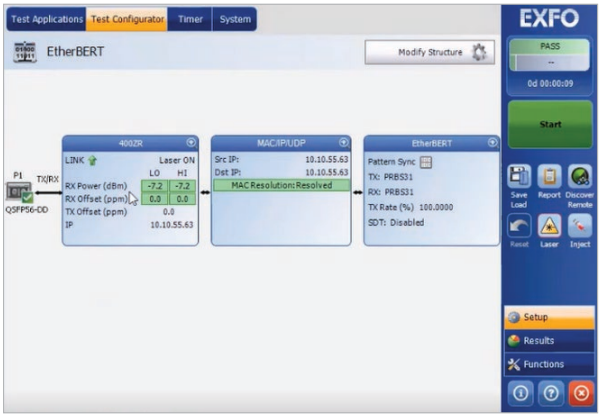
- Supports multiple breakout cable configurations (2 x 100GE, 4 x 100GE, 2 x 200GE and 8 x 50GE)
- Integrates various FlexE clients
- Includes traffic generation capabilities from Layer 2 to Layer 4

Digital coherent pluggables

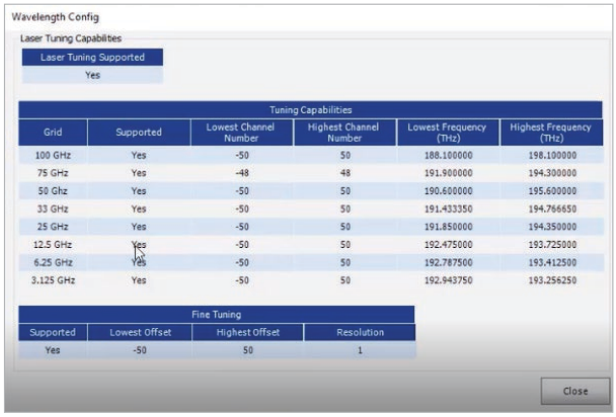
The OIF MSA standard has introduced a few WDM interfaces that leverage digital coherent optics (DCO). 400G ZR and OpenROADM are the most popular ones, used for optimal connectivity in data center interconnect and metro applications. These transceivers offer reaches from 80 km to +120 km (see figure below with test configurations). The main form factors for these types of optics are OSFP and QSFP-DD. The most popular rates for these transceivers are 100G, 200G, 300G and 400G. EXFO's FTBx-88460, with its unique OTS, supports the form factors QSFP-DD, OSFP and CFP2-DCO for client and DCO applications.

Advanced DCO capabilities include:

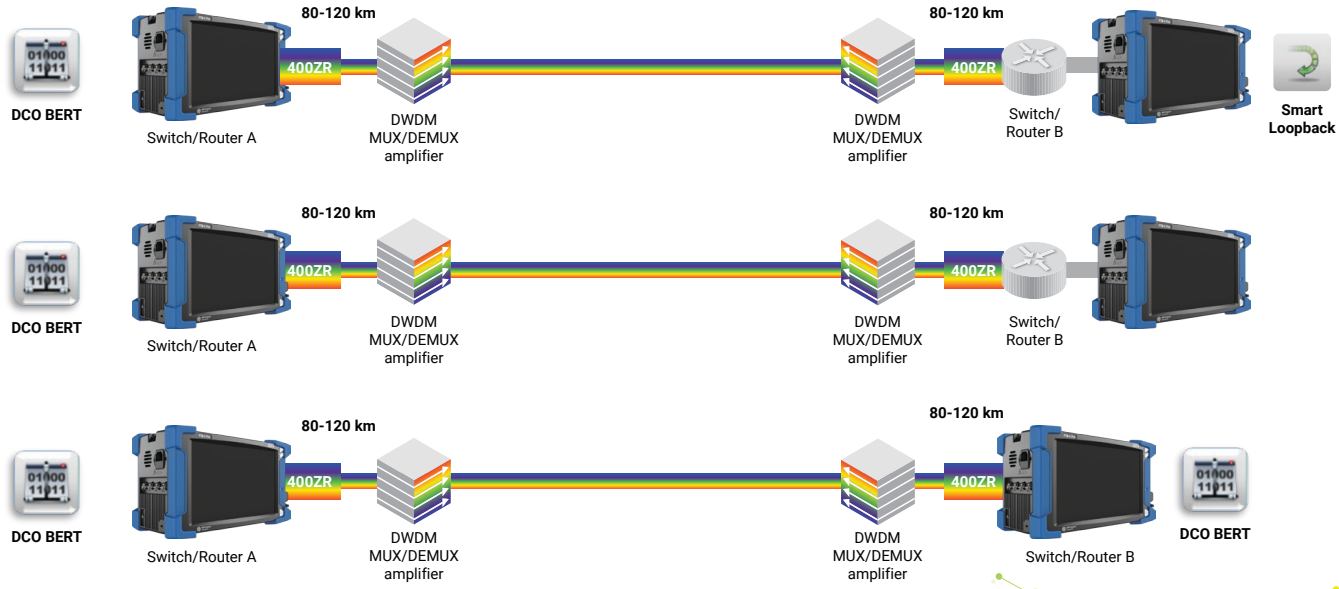
- Configurable Tx power
- Configurable wavelength
- Display from pluggable optical metrics (e.g.,CD, OSNR)
- 400G client L2 to L4 configuration capabilities
- Media Rx FEC alarm and error monitoring



DCO Bert generation and analysis



Wavelength tuning



For more information, visit **www.EXFO.com**

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