

# 100G commissioning and turn-up

FTB-4 Pro with FTBx-88200NGE/88260 multiservice tester and FTBx-5255 OSA



**100G**

## FTB-4 Pro

### Versatile portable test platform

- **Connects anywhere:** USB, WiFi, Bluetooth, mobile and virtual private network (VPN)
- **Loaded with utilities:** Equipped with all the tools required to maximize field testing and enables third-party applications
- **Like a PC:** Quad-core processor with Windows 10 operating system
- **EXFO Connect-ready:** automated asset management; data goes through the cloud and into a dynamic database

## FTBx-88200NGE/88260



Next-gen 1G to 100G multiservice test solutions.

### Transceiver validation (iOptics)

- Integrated CFP4 and QSFP28 interfaces for 100G
- SFP+ to address lower rate signals for added versatility
- Unique open transceiver system to handle all types of transceivers (current and next-gen) [FTBx-88260 only]
- iOptics—intelligent pluggable optics test app to quickly validate any transceiver using minimal configuration

### Advanced test functionality to address multiple technologies

- OTN, Ethernet, SONET/SDH, Fibre Channel, packet sync and CPRI
- 100G Ethernet Through Mode

### Surprisingly simple to use

- Minimal training for new users
- Consistent experience from lab to field
- EXFO TFv—Test Function Virtualization, OnDemand time-based licenses for ultimate flexibility

## FTBx-5255 OSA



Highly accurate, easy-to-use optical spectrum analyzer (OSA) for legacy and CWDM/DWDM networks.

### Intuitive and powerful

- Industry's only all-in-one OSA covering all applications: high speed (including 100G+ in-service OSNR), CWDM, O-band and L-band testing
- First third-party 100G/200G/400G Pol-Mux OSNR option on the market
- No. 1 handheld OSA worldwide (Frost & Sullivan market study)
- Truly portable spectral characterization of DWDM networks
- One-button operation for easy setup
- Flexibility to analyze WDM, EDFA, drift, spectral transmittance, DFB and FP laser

### Ready for next-gen technologies

- Pol-Mux and in-service Pol-Mux OSNR capabilities for 100G/200G/400G signals
- ROADM compliant
- Flexgrid-ready

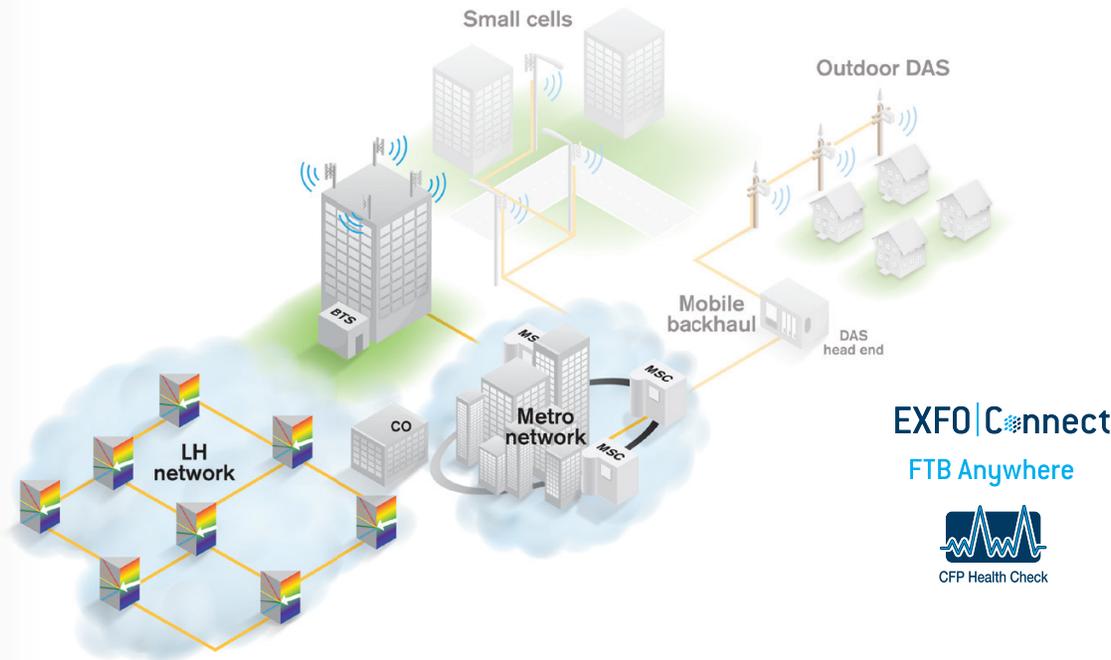
### Unrivalled performance

- Highly accurate and repeatable
- High-power option, ideal for MSO and CATV
- SCPI commands for remote control

**EXFO**

# 100G technology is complex, but field testing shouldn't be

FTBx-88200NGE/88260 multiservice tester with Pol-Mux OSA: 100G testing is now simpler than ever



## Fiber inspection

- Automated, wireless inspection probe
- Display on iOS or Android smart device
- Onboard connector endface analysis

Connect<sup>or</sup>Max2

## OTN BERT

- BERT for qualifying OTU4 transport channels
- OTN round-trip delay measurement
- Service disruption time measurements that are configurable at all layers
- Excessive skew monitoring

## OSNR

- Robust in-service Pol-Mux OSNR for 100G/200G/400G
- Pol-Mux OSNR compliant with IEC 61282-12 standard for any type of signals (e.g., 50 or 100 GHz spacings, Flexgrid)

## Advanced troubleshooting

- Simplify your 100G network troubleshooting with immediate access to all advanced functions, which are categorized under Advanced Functions in the GUI, on the same field-portable unit
- 100G Ethernet through mode, multichannel OTN, EXFO Multilink, iOptics transceiver validation
- Full access to advanced tools, including ping, traceroute, advanced traffic filtering, Ethernet capture, intrusive through mode, overhead manipulation and monitoring, MDIO read/write access and more

iOptics

## 10M-to-100G service turn-up

- Qualifies key performance indicators (KPIs) for 10M-to-100G services for full compliancy with service level agreements (SLAs)
- Accelerates Ethernet service turn-ups while making sure the job is done 100% right the first time
- Complete validation of quality of service (QoS) metrics for different types of services, including Ethernet, SONET/SDH and OTN

## Full connectivity and remote access

- Speed up 100G deployment and Tier 1-2 support calls with full connectivity to the FTB-4 Pro platform in order to conduct remote testing, view test results and transfer test reports across the network
- Connects anywhere: USB, 3G, WiFi, VPN and Bluetooth
- Remote access: VNC, Remote Desktop and TeamViewer