TeraFlex™ features a 1RU chassis serving 36 bidirectional 100GbE client ports. Total capacity: 3.6Tb/s

Course Description & Level

A training course on ADVA FSP 3000 TeraFlex™. Specifics on installation. Provisioning, maintenance and troubleshooting with CLI and WebGUI. Introduction to API.
Refreshing WDM; OTN Basics; SNR; OSNR; Q-Factor; PMD; Modulation formats (Constellation Map); Baud Rate & Channel Spacing; Hybrid Modulation; FEC 15% and FEC 27%

In this remote training we cover the installation part via an eLearning module called *TeraFlex Installation* available on the ADVA eLearning platform (before the remote live training).
In the remote live session the trainer will share his screen being connected to the training equipment.

Please note: the training will be provided using GoToTraining application – we will arrange a short test of the tool upfront the training – you will get invited for both – test and training session.
For the practical configuration exercises the trainer will hand over keyboard and mouse to one student at a time. This will require the desktop version of GoToTraining Client installed on the student's laptop.

- *Please note: recording of the remote training sessions is not permitted.*

Level: Introductory

Please address us for a separate training class on FSP 3000 Cloud Connect.

Audience and Benefits

- The class is aimed for users who need to get familiar with ADVA FSP 3000 TeraFlex™ product
- Certificate of attendance, no exam
- Small group, 8 attendees maximum

Agenda	THEORY	PRACTICE
	- Refreshing pre-rec knowledge - System overview - Component overview - Introduction to ADVA licensing	- Working on a setup system and its components ○ 100GbE Client services ○ Optional: MicroMux (10x10GbE) Client services ○ 400GbE Client plugs in a later release - WebGUI/CLI for provisioning - Maintenance - Troubleshooting

Pre-requisites

Basic knowledge of WDM; SNR; OSNR; Q-Factor; PMD; Beneficial: Modulation formats (Constellation Map); Baud Rate & Channel Spacing; Hybrid Modulation and TCP/IP protocols
Students have completed the eLearning module *TeraFlex Installation* upfront the remote live training. They will be enrolled in time to the eLearning module and have access to this module after the remote training.

Contact

training@adva.com

Day 1 9 am-4 pm with breaks Lunch break: 12am-1pm	TeraFlex™ Introduction Installation, Commissioning, Provisioning
Theory	Refreshing WDM; OTN Basics; SNR; OSNR; Q-Factor; PMD; In Detail: Modulation formats (Constellation Map); Baud Rate & Channel Spacing; Hybrid Modulation Product Introduction

Lab exercises	Working on the setup system:
	Basic operation via WebGUI/CLI
	Management Modules (T-ECM)
	    o DCN Setup
	ADVA Licensing (for all Client ports required)
	Introducing TeraFlex Sleds
	    o Configuring Services
	         o 100GbE Client services
	         o Optional: 10x10GbE Client services (OTU4)
	         o 400GbE Client plugs (in a later release)
	    o Modulation formats on network side
	         o e.g. 32QAM, 64QAM, ...
	    o Configuring Connections
	         o Client to Network

Day 2 9 am-4 pm with breaks Lunch break: 12am-1pm	TeraFlex™ - Proceeding from Day 1 Maintenance and Troubleshooting
Theory	Retake of day 1

Lab exercises	TeraFlex™ Sleds (proceed)
	    o Modulation formats on network side
	         o Selected examples of Hybrid Modulation
	
	Maintenance
	    o Replacing modules
	    o Database Backup/Restore
	    o Software Upgrade
	
	Troubleshooting
	    o Performance Monitoring (PM) Reading
	    o OSNR Measurement