



The Fiber Service Platform (FSP) is a family of innovative products that provide comprehensive Optical + Ethernet networking solutions for access, metro core and regional networks. ADVA focuses on the needs of enterprise and service provider customers deploying data, storage, voice and video applications.

### Objective & Level

This training course explains the FSP 150 XG480, each of the product's components, features and submodules. Configuration and troubleshooting exercises are essential elements of the training to assure that the attendants gain a comprehensive understanding of the device's operation.

**Level:** Introductory

### Audience & Benefits

- To achieve self-sufficiency at installation, configuration, maintenance and troubleshooting of the FSP 150-XG480
- To become an ADVA certified expert (if applied for)
- Small courses, 8 attendants maximum

Agenda	THEORY	PRACTICE
	<ul style="list-style-type: none"> <li>• System overview</li> <li>• Product Architecture</li> <li>• DCN and Routing management</li> <li>• ADVA Licensing</li> <li>• ADVA Software and Database management</li> <li>• Traffic Management - Ethernet Services</li> <li>• Connectivity Fault Management</li> <li>• Y.1731 and Y.1564</li> <li>• Ethernet Protection (LAG and ERP)</li> <li>• Synchronous Ethernet &amp; PTP</li> </ul>	<ul style="list-style-type: none"> <li>• Using ADVA AOS CLI and Web GUI</li> <li>• In-band and out of band DCN management</li> <li>• Software and database management</li> <li>• License management</li> <li>• Configure P2P/MP services and setting up monitoring systems</li> <li>• Configure CFM OAM to monitor service.</li> <li>• Configure Y.1731 to monitor circuits</li> <li>• Configure Y.1564 to test circuits.</li> <li>• Configure LAG to protect traffic</li> <li>• Configure ERP to protect traffic.</li> <li>• Test PTP – IEEE 1588</li> </ul>

### Pre-Requisites

The attendees should have basic knowledge about MEF (Metro Ethernet Forum), Ethernet (classification, V-LAN manipulation, policing, scheduling, shaping), Synchronization and TCP/IP.

### Contact

Training: [training@adva.com](mailto:training@adva.com)

<b>Day 1</b> <b>9am – 5pm</b>	<ul style="list-style-type: none"> <li>• Course Overview</li> <li>• Product Introduction and Overview</li> <li>• Product Architecture</li> <li>• Web GUI overview and CLI introduction</li> <li>• DCN management</li> <li>• System Management</li> <li>• Fault Management</li> </ul>
<b>Lab Exercises</b>	<ul style="list-style-type: none"> <li>• CLI Familiarization</li> <li>• Web GUI Familiarization</li> <li>• Configure Out of band DCN management</li> <li>• Configure In band DCN management</li> <li>• Account authentication/NTP</li> <li>• License management via License Server</li> <li>• License management via Node locked setting</li> <li>• Software upgrade</li> <li>• Database management</li> </ul>
<b>Day 2</b> <b>9am – 5pm</b>	<ul style="list-style-type: none"> <li>• Port and Flow Point management</li> <li>• Traffic management - Ethernet Services</li> <li>• CFM OAM</li> <li>• Service monitoring and testing with Y.1731 and Y.1564</li> </ul>
<b>Lab Exercises</b>	<ul style="list-style-type: none"> <li>• Configure and verify Point to Point flow</li> <li>• Configure and verify Multi Point flow</li> <li>• Configure and verify Multi Class of Service flow</li> <li>• Configure and verify CFM OAM</li> <li>• Configure and verify Y.1731 Delay and Loss measurements</li> <li>• Configure and verify Y.1564 Service Activation Test</li> </ul>
<b>Day 3</b> <b>9am – 5pm</b>	<ul style="list-style-type: none"> <li>• LAG protection</li> <li>• ERP Protection</li> <li>• Ethernet over MPLS (<i>optional</i>)</li> <li>• IGMP Snooping (<i>optional</i>)</li> <li>• Synchronization - Synchronous Ethernet &amp; PTP IEEE 1588</li> </ul>
<b>Lab Exercises</b>	<ul style="list-style-type: none"> <li>• Configure and verify active/standby and load sharing LAG</li> <li>• Configure and verify ERP ring to protect service</li> <li>• Configure and verify PTP T-BC and T-TC</li> </ul>