Introductory Class for the FSP 150 Platform

3 days technical training *(remote or classroom)*

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 is focused on the needs of enterprise and service provider customers deploying data, storage, voice and video applications.

Course Description & Level

A training course which introduces the FSP 150 Platform. Students will learn how to create Ethernet services and how to manage the devices. They will get familiar with EtherJack™ Features. Performance monitoring, testing and troubleshooting topics are included.

- The training applies to all FSP 150 devices listed here:
    o GE206/101/102/104/112/114
    o GO: 102
    o XG: 108/210/116/118/120
    o XJ128
    o and Pro Variants (where applicable)
- Equipment typically shown:
    o FSP 150XG-210, FSP 150GE-114Pro, FSP 150-XG120 as they cover most common features

Level: Introductory

Knowledge of this class is the base for additional Advanced Ethernet Classes on dedicated features.

Note: we offer dedicated classes for FSP 150-XG 400 Family and for FSP 150-XG 300 Family.

In case of a remote training, please, note:
The training will be provided using GoToTraining application or other tool – we will arrange a short test of the tool upfront the training – you will get invited for both – test and training session. For practical exercises trainer will hand over keyboard and mouse to one student at a time, for e.g. a configuration exercise. For the hand over the student needs to have the GoToTraining Client installed on his computer. Note: Recording the remote training session is not permitted.

Benefits & Audience

- To achieve self-sufficiency at installation, configuration, maintenance and troubleshooting of the FSP 150 product series
- Certificate of attendance; exam available (if applied for)
- Small group, 8 attendants maximum

Agenda	THEORY	PRACTICE

Daily:
 	
9 am – 5 pm with breaks
 	
Lunch break: 12am-1pm
	• System overview
	• Hardware overview
	• Management overview
	• Ethernet Services
	• Etherjack™ Features
		• Installation (in a remote class, equipment will be physically connected)
		• Setting up management
		• Creating services
		• Traffic Calculations
		• Maintenance
		    o Database Backup
		    o Software upgrade
		• Performance Monitoring
		• Troubleshooting

Pre-requisites
The attendees should have basic knowledge about Ethernet, V-LAN Tagging and TCP/IP.

Contact
Training: training@adva.com

Part Number	Part Description
7070366001	Per Student
7070365001	Per Class
n.a.	Per Trainer day

Introductory Class for the FSP 150 Platform

3 days technical training *(remote or classroom)*

Day 1	Introduction to the FSP 150 Platform **Ethernet Services (knowledge is mandatory for all other options)**
Lab exercises	o Hardware Introduction o CLI and web GUI familiarization o User Accounts; database management o Out-of-Band and In-band MGMT; tunneling and bridging o Carrier Ethernet Terminology o Service Mode – EPL
Day 2	**Ethernet Services** *(knowledge is mandatory for all other options)*
Lab exercises	o Service Mode – EVPL o Flow-point Traffic Model o Access and Network Port Shaping o Calculating Ethernet Services o CIR/EIR, CBS Buffer, Traffic Calculation, Calculator o VLAN Tagging o Data Flow o Device Resources o Layer 2 Protocol Tunneling
Day 3	**Test and Monitoring** **Troubleshooting and Performance Monitoring**
Lab exercises	o Ethernet Loopbacks o ECPA - EtherJack™ Connection Performance Analyzer o ESA - EtherJack™ Service Assurance o Y.1731-LM/DM/SLM Probe (L3 ESA, no CFM) o RFC-2544 Test (on ProBoxes only) o Port Mirroring o Link Layer Discovery Protocol o EFM OAM Messaging Support o Generating Diagnostic and Last reset Cause files o Performance Monitoring: looking at the counters for TX and RX o Troubleshooting of Services

Introductory Class for the
FSP 150 Platform
3 days technical training (remote or classroom)