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.

**FEATURES + BENEFITS**

- **Etherjack® demarcation adds intelligence to Ethernet services** – provides CSU/DSU or Smartjack® function for Ethernet services

- **Supports Ethernet extension over fiber, copper, TDM/PDH or SONET/SDH** – enables delivery of ubiquitous Ethernet services both in-region and out-of-region

- **Interops with a wide range of data switching, routing, aggregation and transport devices to simplify network design**

- **Ethernet aggregation provides up to 1000:1 aggregation without using spanning tree or MAC switching. Dramatically reduces provider edge switch port counts and increases port fill**

- **Ideal for E-Line and E-LAN services such as internet access, private line/LAN, VoIP, video, etc.**

- **In-band and out-of-band management options for remote management (CLI, GUI and SNMP)**

The ADVA FSP 150 family of Ethernet access products provides devices for Ethernet demarcation, extension and aggregation to support delivery of intelligent Ethernet services both in region and out of region. The family enables service providers to deliver profitable and differentiated Ethernet services.

Incorporating the latest OAM and advanced Etherjack® demarcation capabilities, the FSP 150 family enables carriers to deliver intelligent Ethernet services that can be remotely monitored and managed with a minimal number of truck rolls. It provides the service intelligence necessary to encourage Enterprise data users make the switch from frame relay, private line and ATM services to a carrier grade Ethernet service.

The FSP 150 family enables service providers to deliver ubiquitous Ethernet services by supporting a wide range of Ethernet transport options to allow the extension of Ethernet services over available fiber, copper, TDM/PDH and SONET/SDH facilities. It enables service providers to support multi-site enterprise applications over a variety of leased or owned facilities anywhere in the world, while providing a consistent Ethernet customer experience guaranteed by integrated Etherjack® demarcation.

As Ethernet networks scale, the FSP 150 family’s advanced aggregation capabilities support carrier grade transport architectures such as 1+1 and ring topologies, while advanced VLAN capabilities enable 1:1000 port reductions for over subscribed access services. Intelligent aggregation enables service providers to offer advanced Ethernet services in a cost effective manner.

**ETHERJACK®**

ADVA’s patent pending Etherjack® technology allows a carrier to deploy profitable Ethernet services by providing the industry’s first intelligent Ethernet demarcation point which includes an 802.1ag/802.3ah aligned Network Interface Device (NID) or Network Termination Equipment (NTE) for OAM functionality plus an MEF aligned User Network Interface (UNI) for providing advanced services definition. The Etherjack® NID includes: Etherjack® Connection Performance Analyzer (ECPA) along with port level or VLAN level loopbacks to enable a carrier to remotely diagnose faults and verify Ethernet Virtual Connection (EVC) SLA conformance using RFC-2544 test suites. In addition, Etherjack® Service Assurance (ESA) provides in-service SLA monitoring critical for offering carrier grade Ethernet services. The Etherjack® service UNI provides service intelligence necessary for defining CIR, PIR and burst size of individual ports, priorities or VLANs. It uses 802.1p, 802.1q, TOS or DSCP to classify traffic into EVCs, VLANs or priority level. ADVA’s unique demarcation function enables carriers to provide differentiated profitable Ethernet services.
PRODUCT

FSP 150CCd

SERVICE IF
- 1 port 10/100/1000BaseT or 1000BaseSX SFP
- 10/100 BaseT

NETWORK IF
- 10/100/1000BaseT or 1000BaseSX SFP
- 10/100 BaseT

APPLICATION
- Wholesale and retail Ethernet remote demarcation and monitoring:
  - Carrier to carrier (NNI)
  - Carrier to customer (UNI)

FEATURES
- VLAN and port-based service definition, monitoring, testing and loopbacks
- MEF traffic management
- Supports VLAN stacking (Q in Q)
- Standalone Ethernet demarcation device for unmonitored Ethernet transport systems
- SFP connector supports a wide range of optical applications (SX, LX, ZX, BX)
- Management via SNMP, integration into Micromuse and HP OVA
- CE/UL/NEBS level 3 approved

FROMERLY
CC-811™
CC-410™
CC-312™
CC-512™
CC-624™
CC-925™
CC-815™
CC-814™
CC-411™