Product Overview

The ADVA FSP 150CC family of Ethernet access products provides devices for Carrier Ethernet 2.0 service demarcation, extension and aggregation to support delivery of intelligent Ethernet services both in-region and out-of-region. These include the extension of Carrier Ethernet 2.0 services over available fiber, PDH and SONET/SDH facilities. Our FSP 150CC family allows service providers to ubiquitously deliver differentiated Ethernet services in business, mobile backhaul and open access applications.

End-to-End Etherjack™ Service Assurance

Our FSP 150CC is designed for highest service availability. ADVA Optical Networking's Etherjack™ demarcation technology enables service providers to offer an intelligent Carrier Ethernet 2.0 service demarcation point, compliant with the latest OAM standards such as 802.3ah, 802.1ag Y.1731 and Y.1564. Services can be remotely monitored and managed with a minimal number of truck rolls. The sophisticated and MEF 2.0-certified UNI function of the FSP 150CC includes support for a large number of EVCs and hierarchical QoS management. SLA verification can be performed on a per-service basis to accurately measure latency, jitter and packet delivery performance.

Syncjack™ Timing Excellence

Our comprehensive Syncjack™ technology for timing distribution, monitoring, testing and timing service assurance opens new revenue opportunities from the delivery of SLA-based synchronization services. Offering unique flexibility, the FSP 150CC simultaneously supports Synchronous Ethernet and IEEE 1588v2 across packet backhaul networks. Traditional T1/E1- or GPS-based synchronization can now be replaced with highly accurate synchronization and controlled timing over packet.

Scalability for Wholesale Deployment

As Carrier Ethernet networks scale, low-touch provisioning capabilities become essential to ensure cost-efficient service rollout and to significantly reduce the need for truck rolls. With the extensive set of standards-based auto-configuration functions and remote OAM capabilities built into our FSP 150CC, unskilled craft personnel can install and turn-up services without onsite provisioning. Combined with our FSP 150EG-X, an edge gateway device purpose-built for service aggregation and handover in central office environments, the FSP 150CC family is ideal for large-scale mobile backhaul and wholesale offerings.

Features & Benefits

- Enables MEF-certifiable E-Line, E-LAN, E-tree and E-Access Carrier Ethernet 2.0 services for business, mobile backhaul and open-access applications

- Comprehensive UNI for advanced service definition and service intelligence, fundamental to integrated service delivery

- Etherjack™ demarcation technology for support of stringent SLAs and integration with a wide range of back-office support tools

- Comprehensive Syncjack™ technology for timing distribution and delivery of SLA-based synchronization services

- Low-touch provisioning capability via in-band management ensures that unskilled craft personnel can install and turn up services without any onsite provisioning

Product Reference Guide

Ethernet over TDM

	Applications	Service I/F	Network I/F
FSP 150CC-T1804	Intelligent Ethernet service extension over up to eight T1/E1s for services up to 12 or 16Mbit/s	• 2 x 10/100/1000BaseT or 100/1000BaseX (SFP) ports • 2 x 10/100BaseT ports	• 8 x T1/E1 bonding using VCAT/LCAS
FSP 150CC-T3204	Intelligent Ethernet service extension over one or two T3/E3s for services up to 89 or 68Mbit/s	• 2 x 10/100/1000BaseT or 100/1000BaseX (SFP) ports • 2 x 10/100 BaseT ports	• 2 x T3/E3 bonding using VCAT/LCAS

Native Ethernet

	Applications	Service I/F	Network I/F
FSP 150CC-825	Intelligent Ethernet service demarcation and extension over fiber for services up to 1Gbit/s	• 4 x 10/100BaseT ports • 1 x 10/100/1000BaseT or 100/1000BaseX port	• 2 x 100/1000 BaseT or 100/1000BaseX ports
FSP 150CC-GE110 Series	Cost-effective delivery of intelligent Ethernet services and synchronization over fiber	• 2/4 x 10/100/1000BaseT or 100/1000BaseX (SFP) ports	• 2 x 10/100/1000BaseT or 100/1000BaseX ports
FSP 150CC-GE201	Delivery of intelligent wholesale Ethernet services and synchronization over fiber	• 1 x 10/100/1000BaseT or 100/1000BaseX port	• 2 x 100/1000BaseT or 100/1000BaseX ports
FSP 150CC-GE206	Delivery of intelligent Ethernet services and highly accurate synchronization over fiber	• 6 x 10/100/1000BaseT or 100/1000BaseX ports Expansion Modules: • 16 x E1/T1 PWE3 ports • or 8 x 100/1000BaseX (SFP) ports	• 2 x 100/1000BaseX ports
FSP 150CC-XG210	Demarcation and aggregation of intelligent high capacity Ethernet services. ADVA ConnectGuard™ Ethernet for secure and encrypted connectivity.	Any combination of two of the following cards: • 1 x 10GbE (XFP/SFP+) • 8 x 1000BaseX port • 8 x 10/100/1000BaseT ports	• 2 x 10GbE (XFP) ports

Etherjack™ Syncjack™ Ethernet Connect Guard™

ADVA™ Optical Networking

Product specifications are subject to change without notice or obligation.