



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. The 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

The FSP 150CC is designed for highest service availability. ADVA Optical Networking's Etherjack™ demarcation technology enables service providers to provide an intelligent Carrier Ethernet 2.0 service demarcation point, compliant with the latest OAM standards such as 802.3ah, 802.1ag, Y.1731 and RFC 2544. Services can be remotely monitored and managed with a minimal number of truck rolls. The sophisticated and MEF-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 ensure strong latency, jitter and packet delivery performance for mission-critical applications.

Syncjack™ Timing Excellence

The comprehensive Syncjack™ technology for timing distribution, monitoring 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 with multiple timing domains 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 the FSP 150CC, unskilled craft personnel can install and turn-up services without onsite provisioning. Combined with the FSP 150EG-X, an edge gateway device purpose-built for service aggregation and handover in central office environments, the FSP 150CC-GE110 is ideal for large-scale mobile backhaul and wholesale offerings.

Features & Benefits

- Enables MEF-certifiable E-Line, E-LAN and E-tree 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



Ethernet over TDM



FSP 150CC-T1804



FSP 150CC-T3204

Applications	Service I/F	Network I/F
Intelligent Ethernet service extension over up to eight T1/E1s for services up to 12 or 16Mbit/s	<ul style="list-style-type: none"> 2 ports 10/100/1000BaseT or 100/1000BaseX 2 ports 10/100BaseT 	<ul style="list-style-type: none"> 8 x T1/E1 bonding using VCAT/LCAS or BCP/MLPPP
Intelligent Ethernet service extension over one or two T3/E3s for services up to 90 or 68Mbit/s	<ul style="list-style-type: none"> 2 ports 10/100/1000BaseT or 100/1000BaseX 2 ports 10/100 BaseT 	<ul style="list-style-type: none"> 2 x T3/E3 bonding using VCAT/LCAS or BCP/MLPPP

Native Ethernet



FSP 150CC-825



FSP 150CC-GE110 Series



FSP 150CC-GE201



FSP 150CC-GE206



FSP 150CC-XG210

Applications	Service I/F	Network I/F
Intelligent Ethernet service demarcation and extension over fiber for services up to 1Gbit/s	<ul style="list-style-type: none"> 4 ports 10/100BaseT 1 port 10/100/1000BaseT or 100/1000BaseX 	<ul style="list-style-type: none"> 1:1 protected 100/1000 BaseT or 100/1000BaseX
Cost-effective delivery of intelligent Ethernet services and synchronization over fiber	<ul style="list-style-type: none"> 4 ports 10/100/1000BaseT or 100/1000BaseX 	<ul style="list-style-type: none"> 1:1 or 1+1 protected 100/1000BaseT or 100/1000BaseX
Delivery of intelligent wholesale Ethernet services and synchronization over fiber	<ul style="list-style-type: none"> 1 port 10/100/1000BaseT or 100/1000BaseX 	<ul style="list-style-type: none"> 1:1 or 1+1 protected 100/1000BaseT or 100/1000BaseX
Delivery of intelligent Ethernet services and highly accurate synchronization over fiber	<ul style="list-style-type: none"> 6 ports 10/100/1000BaseT or 100/1000BaseX 	<ul style="list-style-type: none"> 1:1 or 1+1 protected 100/1000BaseX
Demarcation and aggregation of intelligent high capacity Ethernet services	<ul style="list-style-type: none"> Up to 2 ports 10GBaseX and 16 ports 1000BaseX 	<ul style="list-style-type: none"> 1:1 or 2:0 protected 10GBaseX, G.8031/G.8032



For more information please contact an ADVA Optical Networking consultant or visit us at www.advaoptical.com

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