

Intelligent Business Ethernet

"Carrier Ethernet products are used in nearly every part of service provider networks: for customer access, mobile backhaul, mobile core, broadband, broadband backhaul and optical transport."

Michael Howard, Infonetics Research

Profit from the Growth of Data Applications

For years, enterprises and service providers have wanted to extend Ethernet to wide-area networking, ensuring that LANs and WANs share Ethernet as a single protocol. Looking at today's most popular data service offerings, Carrier Ethernet has become the underlying foundation for IP-VPNs and MEF-based E-Line and E-LAN services, among others. The interesting question has now become how to offer differentiated services at attractive price points? From the service provider's perspective, a best-effort service is a commodity offering, unable to support a price tag that justifies broad-scale rollout. Service intelligence has become critical. The integrated delivery of services with differentiated SLAs and the backhaul of multiservice traffic in mobile networks are only two examples that demonstrate just how strong that requirement for service intelligence is.

Our Solution – Intelligent Carrier Ethernet Service Delivery

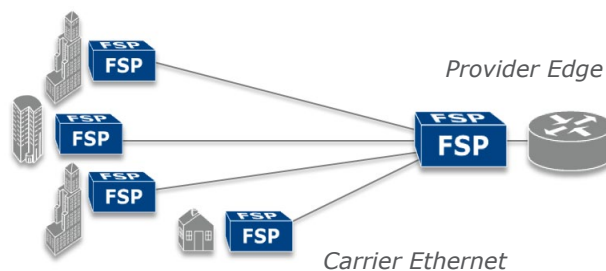
In order to provide a differentiated and manageable Carrier Ethernet service offering, it is critical to deploy intelligent service demarcation and aggregation devices that feature fine-grain service management, low-latency forwarding and standards-based performance monitoring and fault management. Our FSP 150 family of the industry's most advanced Ethernet access devices features our market-leading Etherjack® service intelligence and demarcation functionality.

The scalable and future-proof design of our MEF-certified UNI with hierarchical traffic management is built for tomorrow's Carrier Ethernet service requirements. It is architected to provide a precise and highly scalable Ethernet service demarcation point between your own and your customer's network. We provide a Carrier Ethernet access solution built to evolve your business services portfolio without constraints.

By implementing service intelligence based on the latest OAM standards, such as 802.3ah, 802.1ag and Y.1731, you can guarantee the highest service availability essential for business Ethernet services

today. Our solution provides the capability to monitor service availability, delay, jitter and dropped packets, all of which are critical for verifying SLA conformance and providing you an advanced indication of performance degradation before a service outage occurs.

Our FSP 150 intelligent Ethernet access solution is designed to optimize site costs, increase quality of service and reduce transport costs across your entire access and aggregation network. Whether you are upgrading legacy infrastructure, migrating fiber optics or undertaking a totally new greenfield installation, let us show you how to deliver intelligent business Ethernet services at the lowest cost.



Key Benefits – End-to-End Service Visibility and Assurance

With Carrier Ethernet becoming the underlying foundation for all data services, access network operators are seeking cost-efficient ways to provide service intelligence based on end-to-end visibility and assurance. ADVA Optical Networking's intelligent Ethernet access solution can help you to build a carrier-class Ethernet access infrastructure that meets your customers' demands and is equipped for future service differentiation. Our market-leading FSP 150 Ethernet access platform offers:

- **Ubiquitous service delivery**
Universal extension of Ethernet services over available fiber, PDH and SONET/SDH facilities with consistent customer experience
- **Service flexibility**
MEF-certified UNI, featuring hierarchical traffic management for sophisticated service definition and low-latency forwarding
- **Simplified operations**
Etherjack® demarcation technology for support of stringent SLAs and integration with a wide range of back-office support tools
- **Timing excellence**
Synchronous Ethernet and Precision Time Protocol support for wholesale local loop services in cell tower backhaul applications
- **Highest service availability**
Network interface protection and redundant power supplies match requirements for the highest service availability
- **Efficient deployment**
Low-touch provisioning ensures that unskilled craft personnel can install and turn-up services without any onsite provisioning

FSP 150

ADVA Optical Networking's family of intelligent Ethernet access products provides devices for Carrier Ethernet service demarcation, extension and aggregation. It supports delivery of intelligent Ethernet services both in-region and out-of-region. Incorporating an MEF-certified UNI and the latest OAM and advanced Etherjack® demarcation capabilities, the FSP 150 products enable delivery of SLA-based services with full end-to-end assurance. Its comprehensive Syncjack™ technology for timing distribution, monitoring and timing service assurance opens new revenue opportunities from the delivery of synchronization services.



About ADVA Optical Networking

ADVA Optical Networking is a global provider of intelligent telecommunications infrastructure solutions. With software-automated Optical+Ethernet transmission technology, the Company builds the foundation for high-speed, next-generation networks. The Company's FSP product family adds scalability and intelligence to customers' networks while removing complexity and cost. Thanks to reliable performance for more than 15 years, the Company has become a trusted partner for more than 250 carriers and 10,000 enterprises across the globe.

Innovation



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