ADVA AccessConnect™

Scalable optical transport for carrier access networks

Today's optical transport demands are constantly changing. The huge bandwidth growth driven by migration to cloud-based applications penetrates down to access networks. Operators and enterprises need a flexible and scalable access solution fit for this challenging environment.

Our AccessConnect™ solution enables high-speed, intelligent carrier access networks that are faster, more cost-effective and easier to manage. Designed from the ground up to reduce capital and operational expenses, and engineered to support the latest advances in optical technologies, our AccessConnect™ provides a highly flexible pay-as-you-grow modular solution. Now network designers can use a single set of hardware across multiple access applications. This capability reduces ordering complexity and results in an overall reduction in capital and operational expenses that serve access networks. With a design optimized for use in carrier access network environments where flexibility, space and power are at a premium, our AccessConnect™ scalable set of optical networking solutions provides a solid foundation to accommodate tomorrow's needs.

Your benefits

- **Address every access optical transport need**
  Full product line supporting a wide variety of protocols and services from T1/E1 up to 200Gbit/s
- **Plug-and-play service activation**
  Modules are pre-configured with default configuration for most common use case
- **Wide chassis range**
  From 1RU to 10RU, to fit any application and space without stranded modules or stranded chassis space (any module anywhere)
- **Modular design and pluggable optics**
  Flexible, pay-as-you-grow design lets you take advantage of latest optical developments
- **Meet fiber services demands**
  Small and low port density transponders optimized for resilient and cost-effective fiber access services
- **Wide set of cost-effective muxponders**
  Unique selection of small form-factor muxponders for efficient transport of low-speed services and maximum grid efficiency

High-level specifications

Optical layer

- Maximum number of wavelengths per fiber:
  - DWDM: 80+
  - CWDM: 8+
- EDFA and RAMAN amplification

Topologies and protection

- Point-to-point and point-to-multipoint protected, linear add/drop, ring and mesh
- Client, per-wavelength and multi-wavelength line with 1+1 redundancy service protection

Protocols

- Asynchronous
- Ethernet
- SONET/SDH
- OTN
- Fiber Channel
- Digital video

Physical specifications

- From 1RU to 10RU chassis sharing same cards
- Operating temperature: 0°C to 50°C / 32°F to 122°F
- Storage temperature: -40°C to 70°C / -40°F to 158°F

Integrated testing

- Pattern generation and analysis for optical Ethernet demarcation and non-Ethernet solutions
- Integrated loopback support
- Optical link testing at the service level

Network management

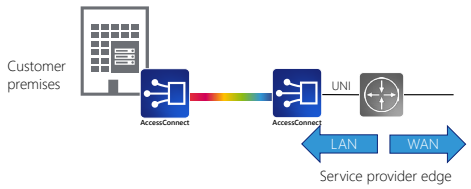
- SNMP (v1, v2, v3)
- 10/100/1000BaseT
- Dual SFP (100/1000Mbit/s)
- Serial (RS232 and microUSB) with autosensing
- MicroSD slot

Applications in your network

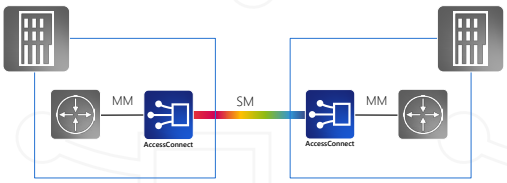
End-to-end optical access solutions

- Cost-effective and scalable passive and active solutions
- Access solutions optimized for application scale and operational simplicity
- Low port density cards offering maximum independence between different customers and lowest failure rates
- Compact form-factor for access solutions with minimum footprint and power consumption

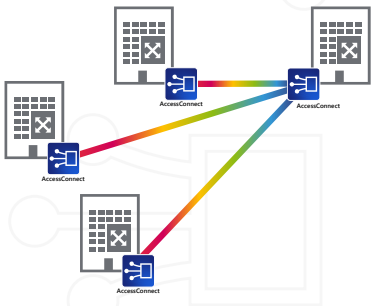
Optical demarcation of Ethernet services



Media conversion and distance extension



Passive WDM access infrastructure



For more information please visit us at www.advaoptical.com

Product specifications are subject to change without notice or obligation.