

## FSP 3000 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 FSP 3000 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 FSP 3000 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 FSP 3000 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
- ✓ **Wide chassis range**  
From 1RU to 10RU, to fit any application and space without stranded modules or stranded chassis space (any module anywhere)
- ✓ **Plug-and-play service activation**  
Modules are pre-configured with default configuration for most common use case
- ✓ **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

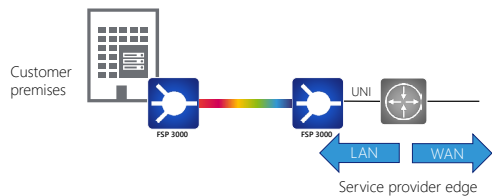
<b>Optical layer</b> <ul style="list-style-type: none"><li>• Maximum number of wave-lengths per fiber:<ul style="list-style-type: none"><li>– DWDM: 80+</li><li>– CWDM: 8+</li></ul></li><li>• EDFA and RAMAN amplification</li></ul>	<b>Topologies and protection</b> <ul style="list-style-type: none"><li>• Point-to-point and point-to-multipoint protected, linear add/drop, ring and mesh</li><li>• Client, per-wavelength and multi-wavelength line with 1+1 redundancy service protection</li></ul>	<b>Protocols</b> <ul style="list-style-type: none"><li>• Asynchronous</li><li>• Ethernet</li><li>• SONET/SDH</li><li>• OTN</li><li>• Fiber Channel</li><li>• Digital video</li></ul>
<b>Physical specifications</b> <ul style="list-style-type: none"><li>• From 1RU to 10RU chassis sharing same cards</li><li>• Operating temperature: 0°C to 50°C / 32°F to 122°F</li><li>• Storage temperature: -40°C to 70°C / -40°F to 158°F</li></ul>	<b>Integrated testing</b> <ul style="list-style-type: none"><li>• Pattern generation and analysis for optical Ethernet demarcation and non-Ethernet solutions</li><li>• Integrated loopback support</li><li>• Optical link testing at the service level</li></ul>	<b>Network management</b> <ul style="list-style-type: none"><li>• SNMP (v1, v2, v3)</li><li>• 10/100/1000BaseT</li><li>• Dual SFP (100/1000Mbit/s)</li><li>• Serial (RS232 and microUSB) with autosensing</li><li>• MicroSD slot</li></ul>

## Applications in your network

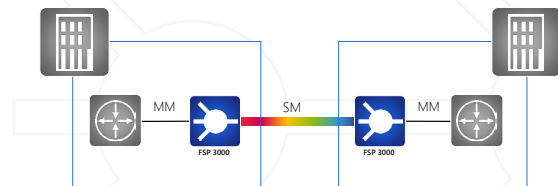
### End-to-end optical access solutions

- 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

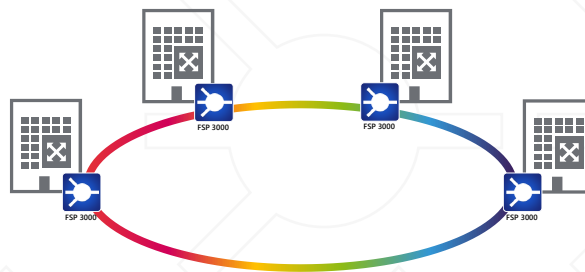
### Optical demarcation of Ethernet services



### Media conversion and distance extension



### Passive WDM access infrastructure



For more information please visit us at [www.advaoptical.com](http://www.advaoptical.com)  
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Product specifications are subject to change without notice or obligation.