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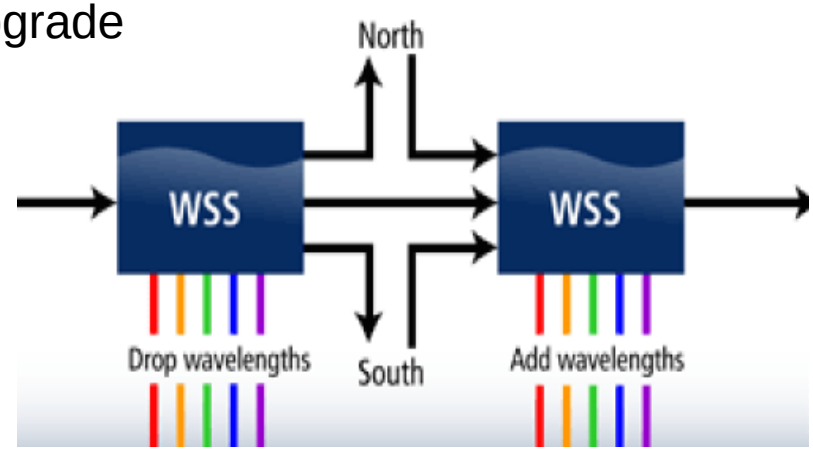
Key Technologies: **R-OADM (Reconfigurable)**

Wavelength Selective Switch

- Advantages:

1) Colorless ports are inherently provided by the switching function and enable dynamic wavelength assignment
2) Multi-degree functionality that supports both ring interconnect and mesh architectures without hardware upgrade



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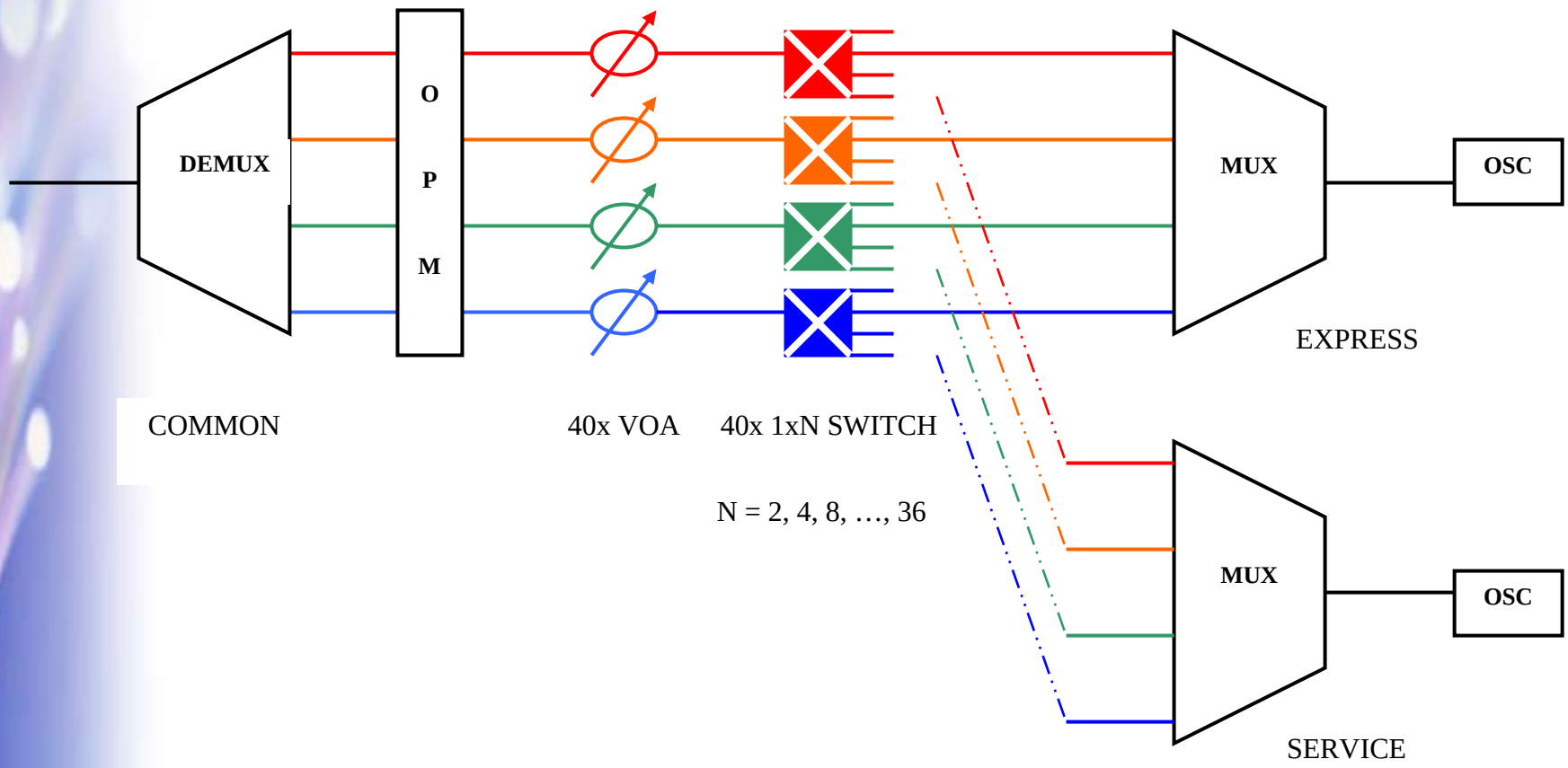
Basic Structure of WSS Based R-OADM



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Features of WSS Based R-OADM

- Scalable DWDM add/drop from 1 to 40 wavelengths
- WSS supports the switching of wavelengths between multi-degree of network interfaces (common service channels from 4, 8, 12…36)
- Dynamic channel equalization controls all wavelengths within the system on a per channel basis
- Optical channel monitor provides optical power of individual channels
- Integrated supervisory channel is available as an option for maintenance administration
- Small footprint and significantly lower cost sub-system pluggable to any network design

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Key Technologies: **Photonics Integration Design & Services**

- Build-to-spec OEM and ODM Services
- Integration of Electronic and Optical Components

EDFA Module-PCB Board

1U Rack Mountable EDFA

6U Rack Mountable EDFA

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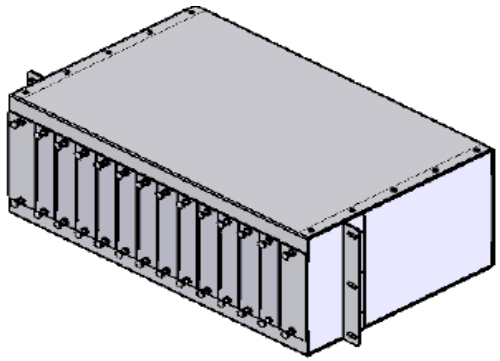
Key Technologies: **Mechanical Enclosure Design**

Outdoor Cabinets & Indoor Rackmount Chassis



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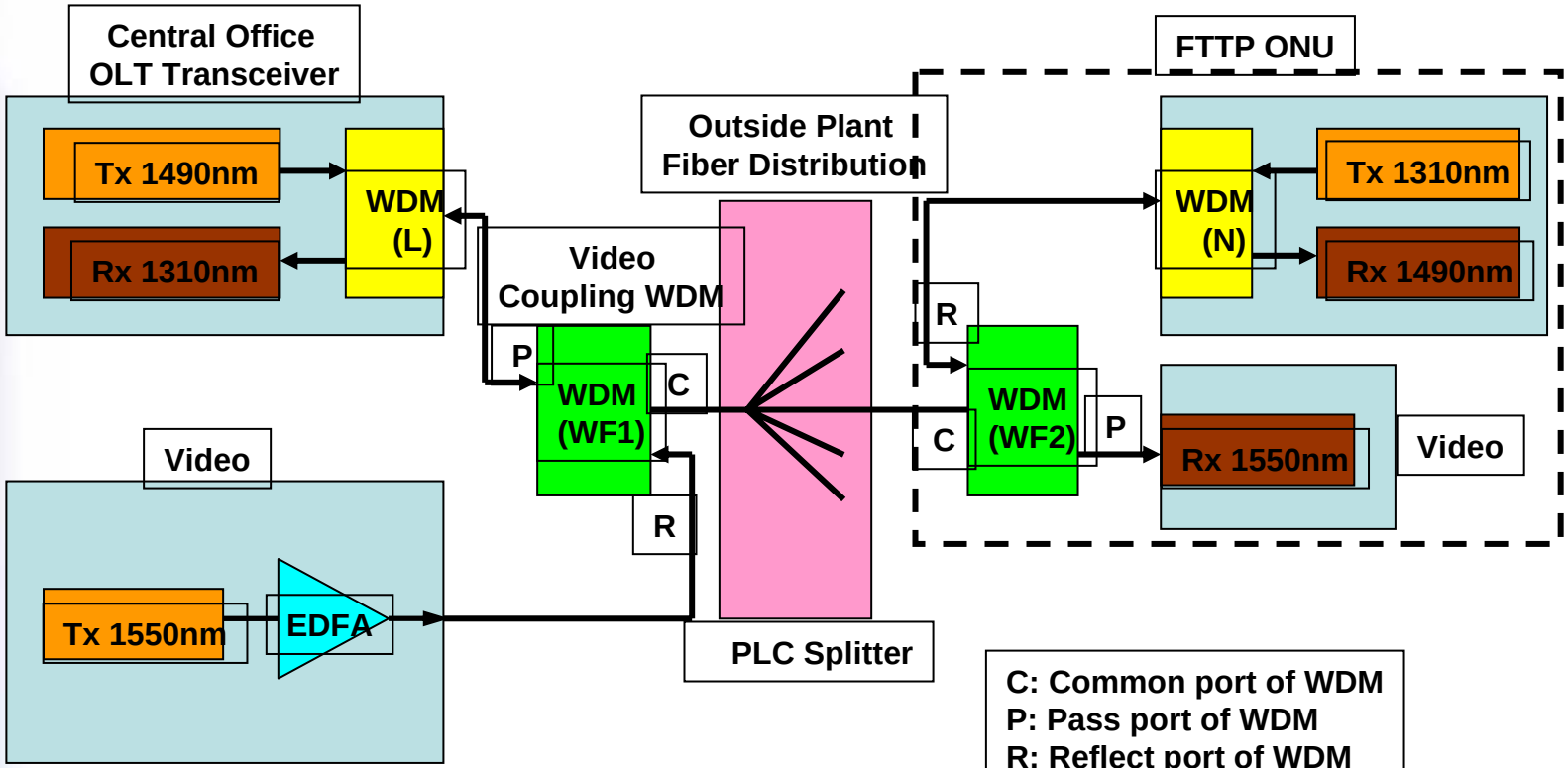
Key Technologies: **FTTH GE-PON OPTICAL SOLUTION**



Voice/Data Upstream: 1310nm +/- 50nm
Voice/Data Downstream: 1490nm +/- 10nm
Video: 1550nm +10nm /- 0nm

C: Common port of WDM
P: Pass port of WDM
R: Reflect port of WDM

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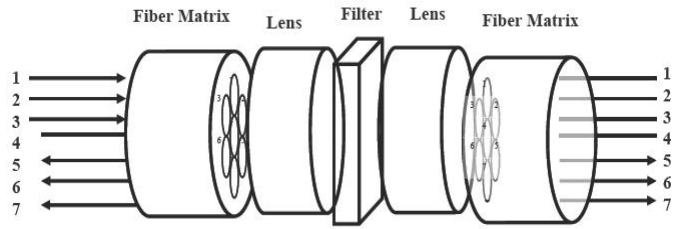
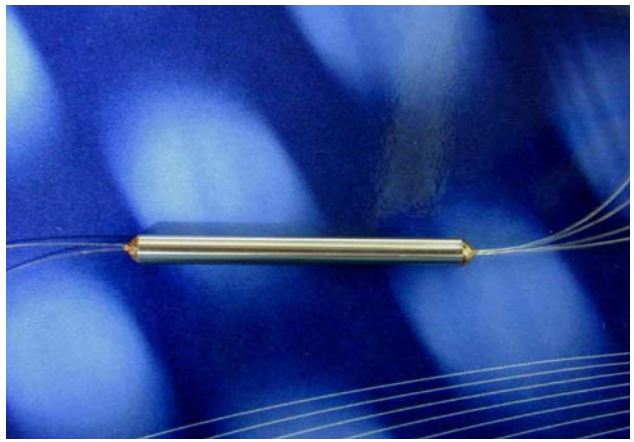
Key Technologies:



3-D Optical Array

3-D Optical Bundle Array ™ is an array of fiber optical fibers arranged in a symmetric fashion. It utilizes a proprietary passive alignment technique to align multiple components simultaneously in single compact device thus truly achieves optical scale integration.



2x4 Add/Drop Filter

It saves **64%** in volume compared to standard type, and this feature is helpful to compact the size of the module with high channel count. It also save costs by reducing materials in the package.

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Why 2x4 Add Drop Filter (ADF)?

- 2x4 ADF provides great COST SAVINGS while reduces size and complexity by double up the function – compared to multiple resistors on one single chip
- Great benefit in OADM and Mux-Demux-Pair