

# Pluggable OCM

## The smallest Flex-Grid Optical Channel Monitor (OCM) in a QSFP form factor

Packaged in a QSFP module, PhotonPath's compact Optical Channel Monitor (nanoOCM) enables precise measurement of critical parameters in DWDM optical channels.

The OCM operates using a narrow-band reconfigurable filter that scans across the entire C-band to capture the signal spectrum. It operates similarly to a traditional Optical Spectrum Analyzer, offering a resolution bandwidth of 15 GHz.

The module features a pass-through function via an integrated tap in the QSFP. It is fully compliant with MSA standards, enabling true plug-and-play operation.



**Pluggable OCM is ready for shipment!**  
Reach out to our sales team to have more information.

### Key Benefits

- Industry standard QSFP integration for plug-and-play operations
- Fast, real-time monitoring of the entire C-band with a single compact device
- Pass-through functionality enabled with 95-5% tap integrated in the module
- Reduces operational costs

### Specifications

Operational Bandwidth	1529 -1567 nm
Maximum # of Channels	80
Frequency Accuracy	$\pm 4$ GHz
Resolution Bandwidth	15 GHz
Total Optical Input Power	24 dBm
Channel Power Accuracy	1 dB
Scan Time	500 ms



## Now Shipping!

Available in a single-port configuration (multi-port version available soon), PhotonPath's OCM provides rapid spectral analysis in complex, amplified multi-channel optical networks. It supports flexible grid (flex-grid) channel plans and offers OSNR monitoring capabilities.

The module includes a 95-5% tap that enables a pass-through function making the QSFP OCM suitable for in-line DWDM applications.



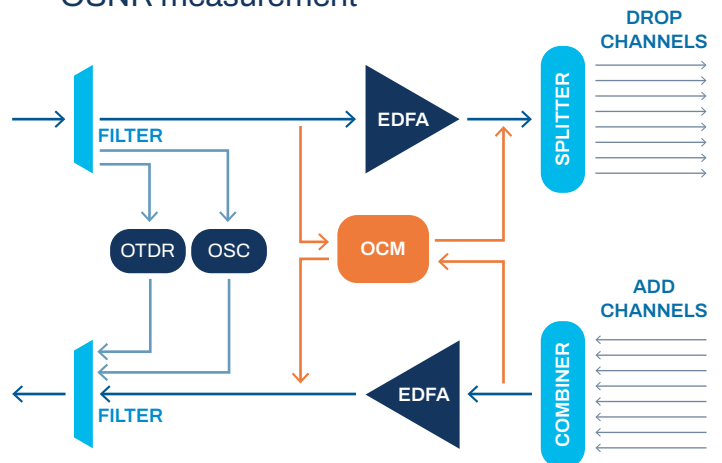
## Features and Applications

Thanks to its ultra-small footprint, PhotonPath's OCM has been integrated into a QSFP form factor. This enables:

### Monitoring of ROADM nodes

Ultra-compact form factor enabling full ROADM node monitoring.

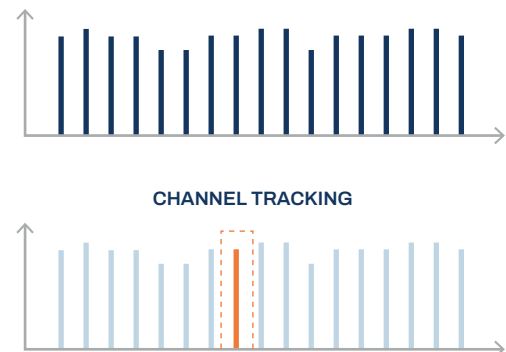
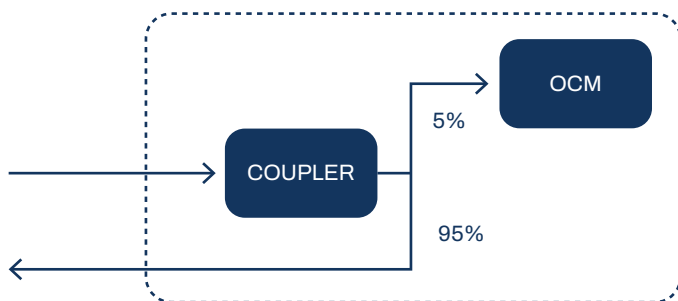
- Real-time network supervision
- OSNR measurement



### Continuous Single Channel Monitoring

Ideal for performance monitoring and faster troubleshooting.

- Lock and track a single channel of arbitrary bandwidth
- Channel selection during operation



## Contact Information

Contact us today to learn more about PhotonPath's Pluggable OCM.

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