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## **Optelian**<sup>®</sup> Packs Four Times More Capacity onto Fiber

New Muxponder Aggregates 4 OC-48/STM-16/OTU-1 Systems onto 1 Fiber or C/DWDM Wavelength

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Optelian's new 4 x 2.5 Gb/s **Muxponder** is a break-through for high-growth networks. Up to four OC-48/STM-16 or OTU-1 systems can now be aggregated into one 10.7 Gb/s OTU-2 signal to go onto a single fiber or onto a single wavelength of a C/DWDM system.

This economical and quick-to-deploy solution is a boon for both established network operators experiencing fiber exhaust due to growth in their networks and for new operators with limited fiber who are trying to expand their businesses.

In addition to aggregation, the muxponder converts the signal to OTU-2, adding the benefits of G.709 OTN. These include spanning longer distances with an additional 6/8.2 dB gain from GFEC/UFEC forward error correction, as well as enhanced performance monitoring paired with protection path switching.

"When used as part of Optelian's **LightGAIN** optical transport system, the **MPX-3GOTN** is astonishingly easy to engineer, install, and turn-up," said Ellen Warren, Optelian Product Manager. "Whether the network operator has existing OC-48/STM-16 or OTU-1 systems they want to consolidate or whether they want to add these systems but have limited fiber available, this new muxponder dramatically reduces deployment time and cost and brings in revenue faster."

### About Optelian

Optelian designs and manufactures optical transport systems for telecom, multi-service operator (MSO), utility, and enterprise customers worldwide. Since 2002, many of the world's largest telecommunications network operators have chosen Optelian for quick delivery, custom designs, and great service. Optelian's carrier-grade system, **LightGAIN**, saves power and is easy to use. Compact **LightGAIN** systems support a full range of optical transport applications in all segments of the network.

Optelian sales, service, and marketing are based in Marietta, Georgia; development and manufacturing are based in Ottawa, Ontario. International headquarters are in London, UK, with offices, partners, and distributors worldwide. Optelian is TL 9000-H registered.

For additional information regarding Optelian, please go to [www.optelian.com](http://www.optelian.com).