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Press Release

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OM-650 4 Ch. CWDM Opto-electrical Multiplexer

The OM-650 multiplexer is designed for broadband application where numerous fiber optic signals need to be multiplexed onto **ONE** fiber **using your existing fiber optic equipment**. What the OM does is take up to four of your existing Multimode or Singlemode optical signals and re-maps them to one of four CWDM wavelengths. The signals are then muxed onto one fiber using an internal CWDM. One system will transform up to four 850, 1310 or 1550nm digital optical signals into 1510, 1530, 1550 and 1570nm CWDM wavelengths and then back again to 850, 1310 or 1550nm.

There is no need to buy new equipment. You can **increase your bandwidth** or **reduce your fiber count** by a factor of four using your existing equipment.

The OM-650 Series is a fiber optic, protocol independent multiplexer that is designed to multiplex singlemode and multimode digital optical signals. The OM can multiplex up to 8 optical signals on two fibers and up to 4 optical signals on one fiber. Each I/O port can accept synchronous and asynchronous digital optical signals between 0 and 650 Mbps, such that an 8 channel OM 650 has the equivalent bandwidth of two SONET OC-48 signals.

The OM 650 can transmit multiplexed signals up to 40 Km via singlemode fiber. Using automatic gain control and state-of-the-art multiplexing technology, the OM 650 is a plug and play device. The OM 650 features protocol independent I/O ports, which introduce no bandwidth penalty or excessive transmission delay to the I/O protocol.

Protocol independent ports enable users to re-configure an entire network without re-configuring the OM 650. For example, a singlemode fast ethernet I/O connection can be changed to a singlemode OC-12 connection simply by disconnecting the fast ethernet from the OM 650 and connecting the OC-12 signal to the OM 650.

The OM 650 is ideal for high speed leased fiber, Telco feeder, SCADA, Enterprise and Corporate Networks. The OM650 multiplexes SONET OC-1, OC-3, and OC-12, SDH STM-1 and STM-4, fast ethernet, ethernet, DS3, E3, CEPT-1, FDDI, ESCON, and many other standard or proprietary digital optical signals.

For product information and sales, please call **MULTIDYNE** at **1-(800)-4TV-TEST**, 1-(516)-671-7278, FAX 1-(516)-671-3362 or write to the above address. Visit our **Web Site** at **<http://www.multidyne.com>** or send **E-Mail** to **info@multidyne.com**. We welcome the opportunity to do business with your company. Photos are available upon request. **Thank you.**