

ETHERNET/TDM SERVICE DELIVERY SYSTEMS

FEATURES

- ◆ UP TO 100 KM TRANSMISSION
- ◆ SONET OC-3/12/48/192
- ◆ SDH STM-1/4/16/64
- ◆ GBE/10GBE
- ◆ FC
- ◆ POINT-TO-POINT AND OADM RING CONFIGURATION
- ◆ SIMPLE OPERATION AND MAINTENANCE
- ◆ PLUG AND PLAY INTERFACES
- ◆ PLUGGABLE OPTICAL MODULES
- ◆ BIDIRECTIONAL TRANSMISSION ON A SINGLE FIBER
- ◆ COMPACT 19-INCH RACK MOUNTABLE SYSTEM
- ◆ SNMP



SPECTRALWAVE MW0521



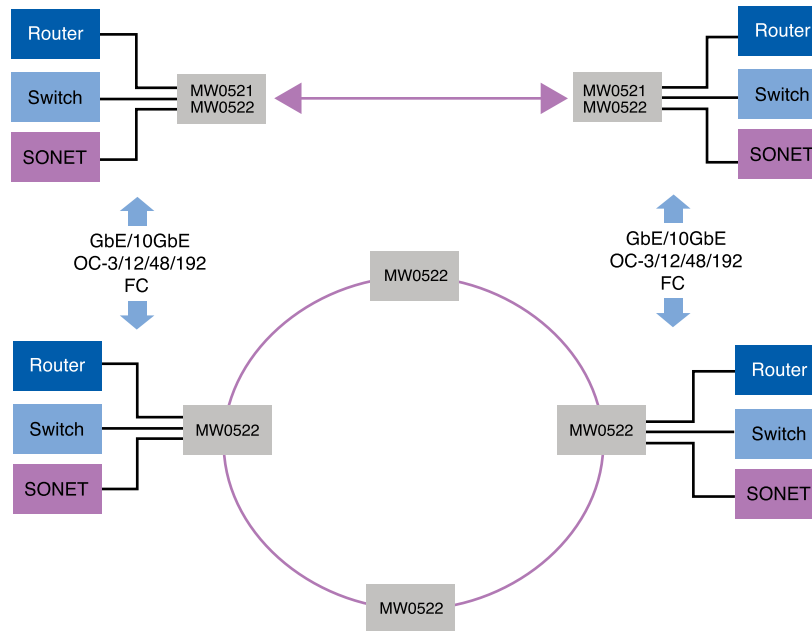
SPECTRALWAVE MW0522

SPECTRALWAVE™ MW0500 Service Delivery Systems use Coarse Wavelength Division Multiplexing (CWDM) to provide an economical and easy to deploy solution for delivery of a wide variety of services. MW0500 systems transmit up to four bidirectional wavelengths over a single fiber core.

SpectralWave MW0521 is a 19-inch rack-mountable 1RU system for point-to-point applications. It can be equipped for transmission of up to four 2.5G lambdas or two 10G lambdas. Available transponders include single-channel OC-48/STM-16, two-channel GbE muxponder, single-channel OC 192/STM-64, single-channel 10GbE, and a Free-Rate transponder. The Free-Rate transponder supports lower SONET/SDH rates and Fibre Channel. Transponders can operate independently over separate fibers, or in conjunction with an integrated CWDM filter module to provide bidirectional, single-fiber transmission.

SpectralWave MW0522 utilizes the same transponder set and CWDM filter modules as the MW0521, but provides twice the capacity in a 2U rack space. In addition, MW0522 can operate in point-to-point, linear OADM, or OADM ring configuration to provide maximum deployment flexibility.

MW0500 Service Delivery Systems provide the flexibility and reliability, as well as space, power, and cost savings needed to ensure rapid deployment of revenue-rich services based on NEC's renowned high-reliability design.



FLEXIBILITY AND SCALABILITY

- Point-to-point, OADM, and OADM ring configuration
- Compact footprint
- Up to 40Gbs bidirectional transmission over a single fiber
- Up to 100 km transmission
- Pluggable SFP and XFP modules
- Interfaces:
 - 10G (OC-192/STM-64/10GbE)
 - OC-48/STM-16
 - 4xOC-3/STM-1 ADM Muxponder
 - 2xGbE Muxponder
 - Bit-Rate Free, Protocol-Free Transponder (150Mbps ~ 2.7Gbps) supporting SONET/SDH, FC

EASY OPERATION AND MAINTENANCE

- Plug-and-play transponders with auto-recognition
- Single-ended remote provisioning
- In-band or out-of-band remote monitoring
- Local and remote loopback functions
- Per-lambda WDM connectivity testing
- Telnet/CLI or SNMP management
- HKA/HKC support for external devices.

HIGH RELIABILITY

- Redundant power modules
- Hot-swappable control and transponder modules

Empowered by Innovation

NEC

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