



M6S AND M3S MULTISERVICE MODULES

For the 4200 Family

Features and Benefits

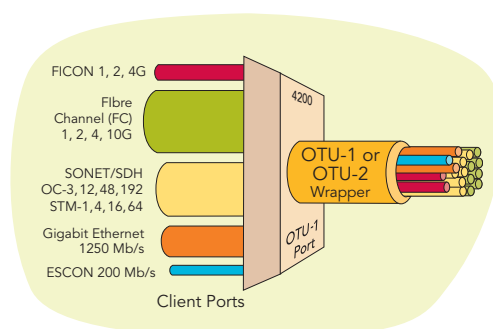
- Allows ports to be configured as client or network
- Doubles as system controller (main slot)
- Offers any service mix per module: 10/100/1000Base-T, ESCON, FC100/200, FICON (1G/2G), Gigabit Ethernet (GbE), OC-3/12/48, STM-1/4/16
- Single-card M6S/M3S 2.5G transport:
 - Provides up to 15 Gb/s payload capacity at the front panel ports for the M6S; 7.5 Gb/s for the M3S
 - Offers up to three any-service-to-OTU-1 transponders
 - Muxes same or dissimilar services into one OTU-1 signal
 - Supports numerous muxponder/transponder combinations all on the same module
 - Supports protected and unprotected services
 - Supports single-module operation in multi-module configurations
- Provides up to 60 Gb/s capacity when used in multi-module configurations

The M6S AND M3S multiservice modules provide unprecedented transport flexibility for all services up to 2.7 Gb/s. Based on ITU G.709 Optical Transport Network (OTN) technology, the M6S and M3S enable operators to groom services and implement a variety of service-protection scenarios.

These modules are dual-function modules, providing both a transport function for transponding and grooming services, and a system controller function, which governs system provisioning, alarm monitoring, and communication with Ciena's ON-Center® Network and Service Management Suite.

Using enhanced OTN technology, the multiservice modules can transpond, aggregate, and regenerate any number and mix of client services on a single wavelength up to 2.7 Gb/s capacity. Any M6S or M3S can be used alone, or with other transport modules for up to 60 Gb/s payload capacity. The modules can also be used in conjunction with Ciena's F10-A 10G Aggregator Module¹ to further groom services onto 10 Gb/s wavelengths for even greater wavelength efficiency.

The M6S module is equipped with six full-duplex ports, each of which accepts an SFP transceiver; the M3S has three SFP ports. By simply downloading the appropriate software from the resident release already on the system, each port can be



Multiservice aggregation onto OTU-1