



100G OTS OPTICAL TRANSPORT SERVICE



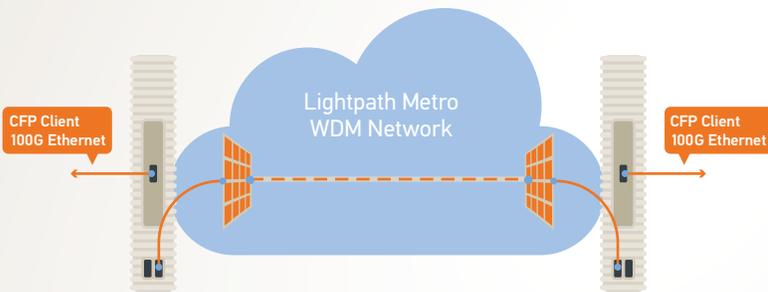
SERVICE DESCRIPTION

Lightpath 100G OTS Optical Transport Service is a Layer 1 Metro point to point service over defined WDM paths across the Lightpath Network. Availability is maintained to customer, carrier, and data center locations across the Metropolitan area. 100G is transported easily across our ROADM infrastructure which includes our MCS Route (Metropolitan Continuity Service) as well as DWDM, CWDM, and direct fiber.

In step with our OTS portfolio, the 100G client provides the customer a protocol agnostic means of connectivity supporting standard and jumbo frame sizes.

UNPROTECTED 100G OTS

The more popular form of 100G OTS is a transponder-based point to point connection over defined paths of WDM



**Lightpath leverages Coherent 100G optics to simplify connectivity and increase customer performance.*

PROTECTED 100G OTS

Along with the demand for bandwidth comes a demand for service assurance. Protected 100G OTS is a point to point connection over defined paths of WDM specifically designed to afford diverse path of a primary and secondary route between the requested endpoints. Based on customer requirements the protection mechanism may vary.



Path Protection: An Optical Protection Switch (OPS) is the protection mechanism that will provide a sub-50 ms protection switch.

Path & Equipment Protection: For customers demanding an equipment diversity on top of path protection the OPS can be placed on the client-side of two 100G transponders.



For a premium protection an option for MCS protection pathing can provide the customer with truly diverse route totally bypassing Manhattan.

CLIENT INTERFACES

Lightpath currently supports the following 100G Client facing interfaces (100GE & OTU4).

Description	Interface	Reach	Link Budget
100GBASE-SR10 (10x10G parallel fiber/10 lanes)	MPO*	100M	+1.9
100GBASE-LR4 (4x25G WDM/4 lanes)	LC/UPC	10km	+6.3

**The 100GBASE-SR10 MPO interface is not extendable and does not support Y-Cable or OPS protection schemes.*

To order or for more information call **1-877-Lightpath**