

C-OXC 12000

8T/12T QUANTUM SECURE OTN CROSS CONNECT

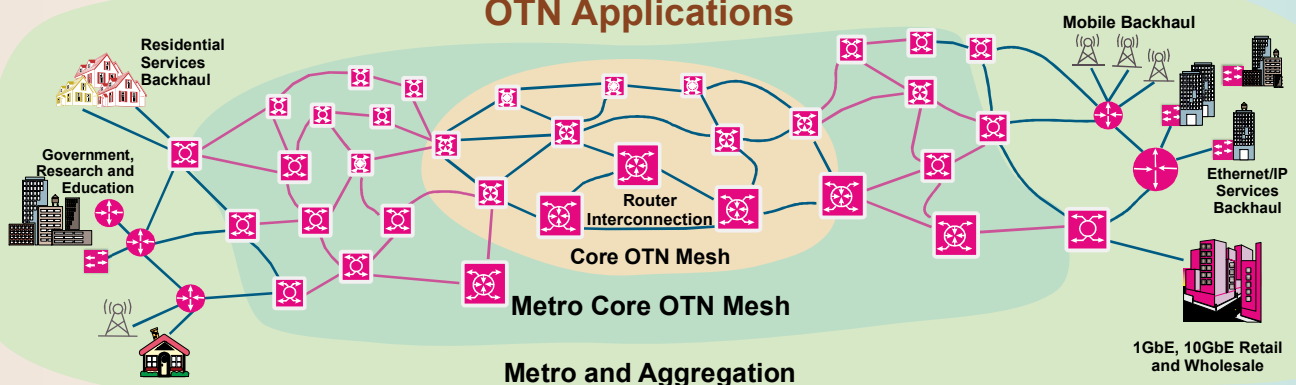
OTN Cross Connect is next generation equipment catering to continuously growing and unpredictable traffic demands. It can adapt to web-scale world by providing more agile, more responsive, and higher capacity solution. OTN Cross Connect provides an alternative to the Transponder and Muxponder approach providing efficient bandwidth utilization by way of grooming and consolidation of client traffic. It is a central fabric-based switching solution providing any-to-any connectivity and flexibility, with ability to adapt to changing traffic patterns. C-DOT's C-OXC 12000 is state of the art platform providing 8T/12T OTN Cross Connect capacity.

The equipment is well suited to meet exponentially rising data requirements of telecom network to meet challenges of 5G deployment.

The architecture enables disaggregation of service cards into line and client boxes along with separate fabric box to realize a truly scalable multi - tera pay as you grow solution with high flexibility to save CAPEX.



OTN Applications



8T/12T QUANTUM Secure OTN Cross Connect

Client and Services

- SONET/SDH : STM-64
- Ethernet: 10GbE, 40GbE, 100GbE
- OTN : OTU2, OTU3, OTU4
- Fibre Channel : FC800, FC1200
- Low rate client services (2.5G and below) through separate subterminating box.

Line Interface

- Coherent 200G/100G

Configuration

- Unprotected
- Client 1+1
- ODUk SNC-1, N, S Protected Client in 1:R, 1+1+R and 1+1 mode

Features and Specifications

- Up to 12Tbps OTN Cross Connect Capacity
- 8T system in standard 19 inch rack (600mm X 600mm).
- 12T System in Standard 23 inch rack (800mm X 800mm)
- Typical Power Dissipation 9KW (8T OTN XC)
- Supports AES256 encryption on line and client side with C-DOT's Quantum Secure technology
- Intelligent GMPLS based Control Plane



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