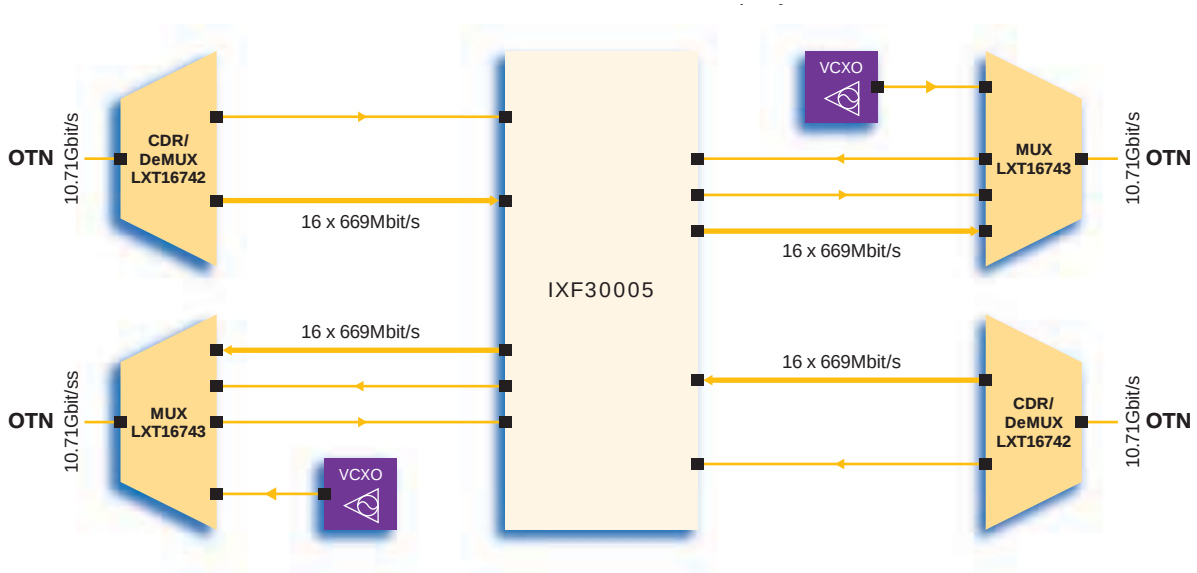
Features	Benefits
• Flexible 10 Gbit/s digital wrapper for OTN with ITU-T G.709 compliance, including Forward Error Correction (FEC).	• Versatile enough to use in many locations and applications within an OTN, designed for current as well as future applications.
• Wide coverage of OTN overhead functions implemented in hardware.	• Reduces costs, space, power and software development time.
• OC-192/STM-64 client processing related to OTN functions and applications.	• Compliance with existing standards reduces development time.
• Drop-in replacement for IXF30001 or IXF30003 (FEC100). Identical footprint and physical characteristics.	• Eases migration pass and reuses all 622/66MHz PCB RF qualification data. Allows bridging between FEC100-based systems and OTN.
• Low power consumption (3.1 W maximum).	• Eases mechanical systems design and power management.
• OC-192/STM-64 SONET/SDH performance monitor (B1, B2, J0, general purpose) and post processor (AIS insertion).	• No additional performance monitor device required, basic SDH functionality downstream.
• Bidirectional device for single chip transponder operation (synchronous or asynchronous).	• Compact system design, reduced cost, lower power consumption, different clocking schemes from which to choose.
• OIF-compliant LVDS Inputs/Outputs.	• Allows use of SerDes components provided by 3rd party vendors



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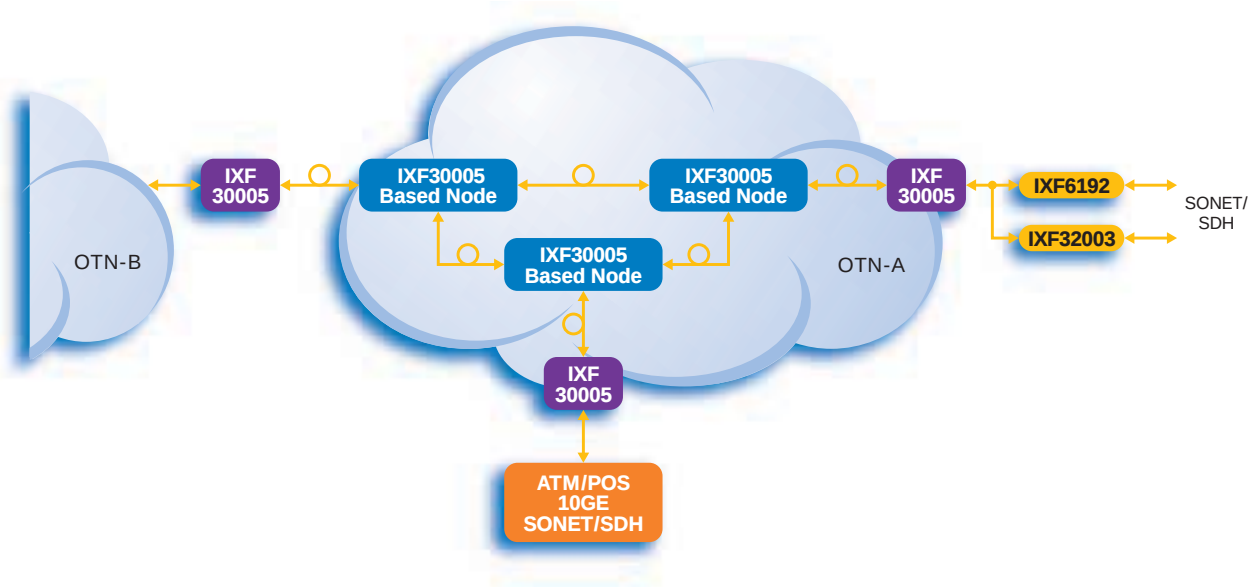
The IXF30005 Wrapper/FEC may be operated as Intra Domain Interface (IaDI) and Inter Domain Interface (IrDI) within an OTN according to G.709, acting as a gatewa y between two OTNs or as a network node within an O TN. Because of the v arious types of framing it supports, the IXF30005 ma y also act as a gatew ay between existing IXF30001-based network and an G.709 compliant O TN.



Key Applications

- Long-haul optical transmission networks
- Increasing bandwidth in existing systems
- Submarine applications
- Optical Transport Networks according to G.709
- Bridge/gateway function between existing networks (SONET/SDH) and optical tr ansport networks (OTN)

Cortina in Communications

Cortina is a leading supplier of intelligent communication solutions through continuous innovations in advanced port processing and intelligent port connectivity to the Core, Metro , Access and Enterprise Market Segments. With our state-of -the-art high speed analog digital integr ation, we deliv er a wide suite of products that address our customers' performance, density and flexibilit y needs enabling faster time-to-market, longer time-in-market, and increased revenue opportunities. Working closely with our customers to understand their system requirements and anticipate their needs, we are creating the foundation ingredients for new gener ations of services.

*Other names and brands may be claimed as the property of others.

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