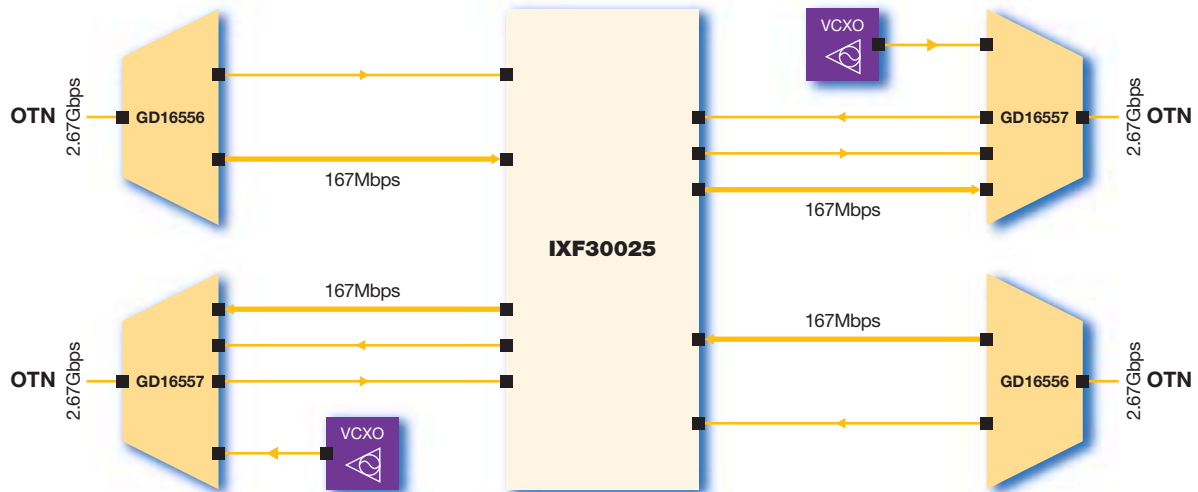


Features

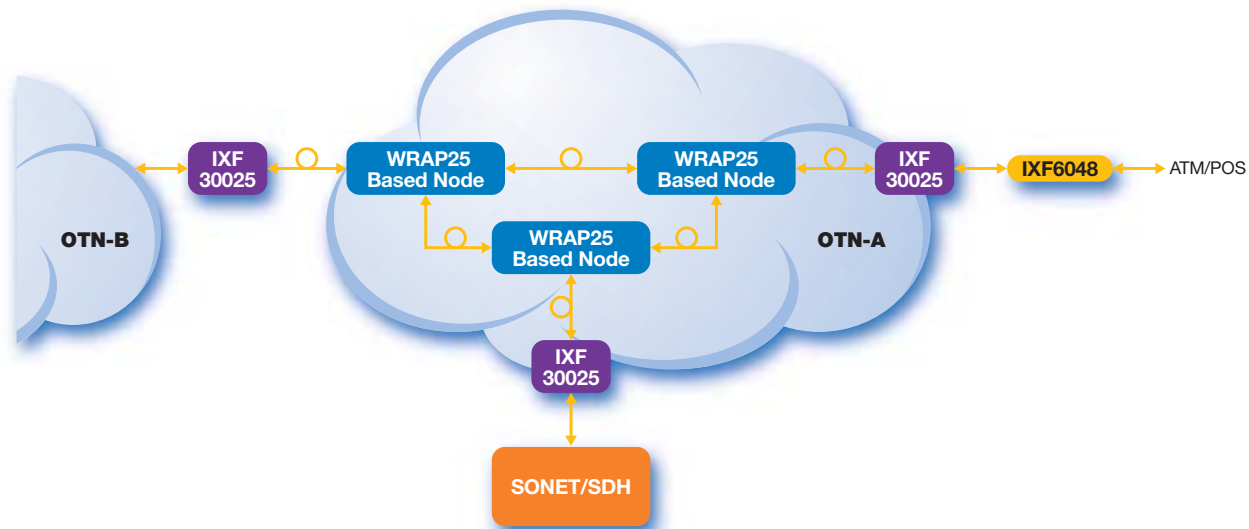
- Flexible 2.5 Gbps digital Wrapper for OTN with ITU-T G.709 compliance, including Forward Error Correction (FEC).
- Wide coverage of OTN overhead functions implemented in hardware.
- OC-48/STM-16 client processing related to OTN functions and applications.
- Drop-in replacement for IXF30001 or IXF30003 (FEC100). Identical footprint and physical characteristics.
- Low power consumption
- OC-48/STM-16 SONET/SDH performance monitor (B1, B2, J0, general purpose) and post processor (AIS insertion)
- Bidirectional device for single chip transponder operation (synchronous or asynchronous).
- OIF-compliant LVDS Inputs/Outputs.

Benefits

- Versatile enough to use in many locations and applications within an OTN, designed for current as well as future applications.
- Reduces costs, space, power and software development time.
- Compliance with existing standards reduces development time.
- Eases migration path and reuses all 155/167 MHz PCB RF qualification data. Allows bridging between FEC100-based systems and OTN.
- Eases mechanical systems design and power management.
- No additional performance monitor device required, basic SDH functionality downstream.
- Compact system design, reduced cost, lower power consumption, different clocking schemes from which to choose.
- Allows use of SerDes components provided by 3rd party vendors



The IXF30025 Wrapper may be operated as Intra Domain Interface (IaDI) and Inter Domain Interface (IrDI) within an OTN according to G.709, acting as a gateway between two OTNs or as a network node within an OTN. Because of the various types of framing it supports, the IXF30025 Wrapper may also act as a gateway between existing IXF30001-based network and an G.709 compliant OTN.



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 transport 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 integration, we deliver a wide suite of products that address our customers'

performance, density and flexibility 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 generations of services.

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

