CORTINA™

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CS6051, CS6052, CS6053, CS6054   - 40G and 100G Optical Transport Processors

The CS605x, a family of highly integrated transport processors, supports the converged 100G market by delivering the most efficient solution for transport and aggregation of 10G, 40G, and 100G signals.

The CS605x Transport Processor family supports the latest Optical Transport Processor (OTN) standards for termination and mapping of two OTU4(V) and three OTU3(e)(V) ports with standard and advanced Forward Error Correction (FEC) technology. In addition, these devices provide termination, monitoring, and mapping of up to one 100GE and up to three 40GE interfaces.

(ROHS information)
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Applications

- DWDM Platforms
- Packet over Optical Transport Platforms
- Carrier Ethernet Switch Routers
- Submarine & Ultra Long Haul Platforms

Features and Benefits

- Transport and mapping of 100G, 40G, and 10G signals for OTN and Ethernet networks
- Aggregation & de-aggregation of up to ten 10GE/ODU2(e), and two 40GE/ODU3(e) into OTU4 signals
- Standard G.709 and strong FEC (Ultra-FEC) support for 40G and 100G ports
- 100G High-Gain FEC supporting 7% (9.4 dB net coding gain) and 20% overhead ratios
- Direct interface to 100G and 40G optical modules supporting OTL4.10, CAUI, OTL3.4, and XLAUI interfaces
- 120G-capable Interlaken packet interface to NPU and FPGAs
- Support for IEEE1588v2 Precision Time Protocol (PTP) Standard
- Integrated Jitter Attenuation Clean up PLLs

In order to access restricted documentation (datasheets, application notes, etc.), please click here to register for a Cortina Customer Support account.

Product Change Notifications

PCN-450060	Cortina Systems® Transport Media Label Change, PCN450060, FYI ABRIDGED TIMELINE	2012-Dec-12
PCN-450073	Cortina Systems® Transport Media Label Change, PCN450073, FYI	2013-Feb-01

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