

TN-1X STM-1 Add/drop Multiplexer

Optical Metro – SDH TransportNode Solutions

High-reliability, high-flexibility service transport and management

For established service providers who are seeing continued growth in demand for connectivity services, the TN-1X is an STM-1 add/drop multiplexer that provides high-reliability, high-flexibility service transport and management in the SDH metro network. Unlike other possible alternatives, this field-proven solution delivers the robust infrastructure performance required by our customers to confidently support new service demands.

Introduction

Mainstream service providers and network operators deploying SDH transport networks are seeing a sustained growth in demand for connectivity services at all capacities.

Since connectivity services – a primary contributor to core profitable revenue for most providers – form the bulk of transport network requirements, it is essential to both lower the cost of supporting those services and also increase the efficiency of supporting those services. The TN-1X helps service providers to reduce network complexity and ensure maximum return on their SDH infrastructure investment, even as demand for service transport capacity increases.

Product Description

The TN-1X is a field-proven STM-1 add/drop multiplexer that reliably delivers services with a compact footprint and low power requirements at an operating location. It can be deployed in a number of terminal, add/drop and hub configurations to flexibly suit different network deployment scenarios such as point-point, line, chains and rings.

Features & Benefits

- Provides a high level of integration and ASIC component technology, resulting in a compact solution and significantly improved system reliability
- Includes full compatibility with other Ciena optical networking products
- Supports 2 Mbit/s and 34/45 Mbit/s PDH and STM-1 SDH tributaries (optical and electrical) with easy in-service upgrade of up to 4 tributary cards into the subrack
- Offers low cost of ownership
- Provides a fully managed solution with comprehensive element, network and service management across multi-vendor, multi-domain networks
- Enables full remote access to each Optical TN-1X from the management center, including fault and performance monitoring and configuration management
- Supports proven remote download of operational and configuration software and upload of configuration data, without impacting live traffic

