

Native LAN Service Options			
	Best	Better	Good
Dedicated Bandwidth	Elite ENLAN Point-to-Point Multipoint Point-to-Multipoint		CD NLAN
Shared Bandwidth		SNLAN	



Hybrid SONET Equipment	Ethernet Switch Equipment	Various Equipment Types
<ul style="list-style-type: none"> Dedicated and non-oversubscribed bandwidth to customer High availability – SONET-protected NLAN service 	<ul style="list-style-type: none"> Shared and oversubscribed bandwidth to customer Standard availability – Non-SONET-protected NLAN service 	<ul style="list-style-type: none"> Lowest priced, “no-frills,” basic point-to-point connectivity Non-managed, no availability guarantees

Business Benefits

Familiarity: Ethernet is a technology that your staff already knows and understands.

Scalability: From 1 Gig to 10 Gigs.

CPE Flexibility: Minimizes the need for a customer router to map customer traffic to legacy frame Relay and ATM protocols.

Cost Effectiveness: Lower per Megabit bandwidth cost compared to legacy services.

Ease of Interworking: Reduce configuration requirements with simpler service provisioning and activation.

Business Features

Comprehensive Ethernet Product Suite

- Multiple platforms with good, better and best options.

Multiple Levels of Network Protection: SONET, RSTP, STP

Access Multiple Services from the Same Platform

VLAN Tag Service Options

Wide Footprint

Native LAN (NLAN) bridges the gap between legacy networks and a pure Ethernet metro solution by combining their benefits. Next-generation optical platforms provide you a migration path for the evolving metropolitan area Ethernet technology.

Customers today have a number of available solutions: Frame Relay, ATM, and SONET, which individually do not always meet the requirements of a rapidly changing business environment. Ethernet is a technology that is already understood, employed by many businesses, and has the potential to combine Quality of Service, restoration, and high bandwidth into a single customer solution that provides scalable, flexible, and low-cost metropolitan area data services.

Take Your LAN Across the Metro

Since most enterprises deploy Ethernet LANs at each of their locations, it makes sense that the networks carrying traffic between LANs reflect the enterprise architecture. Extending the corporate LAN over the metropolitan area represents a natural network solution.

Businesses require a metro solution that combines the attractive features of legacy technologies (restoration and high bandwidth) with the benefits of Metro Ethernet (low cost, technological familiarity, and scalable bandwidth).

Our protected service helps to assure delivery of your valuable traffic. Native LAN lowers your costs, and enables installation with minimal disruption to your existing network.

tw telecom also provides additional services directly from our Native LAN platforms. These include both transport (DS-1, DS-3, OC-3 and OC-12) and NLAN Ethernet Internet Services.

With tw telecom’s Native LAN, you can choose from a variety of platforms, connectivity options and classes of service:

- Elite NLAN
 - Point-to-Point
 - Point-to-Multipoint
 - Multipoint
- Switched NLAN
- Customer Direct NLAN

About tw telecom

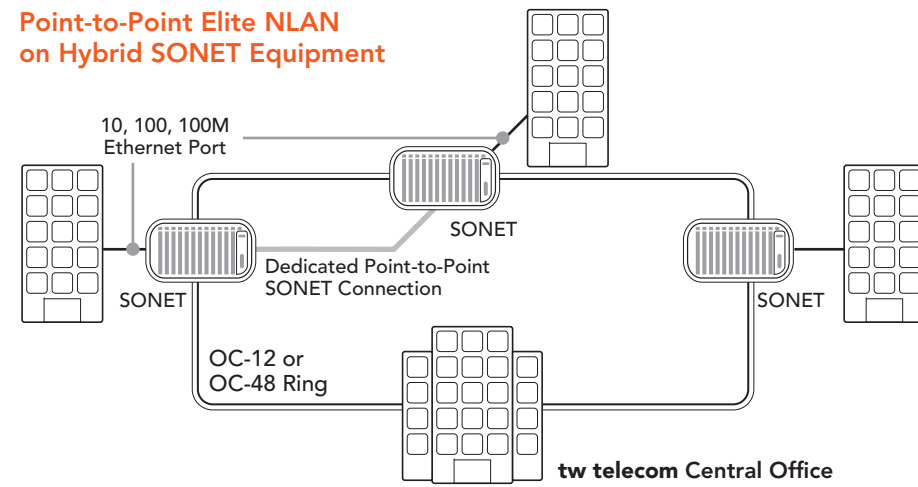
tw telecom delivers the most advanced telecommunications solutions on the market to a wide spectrum of businesses and organizations across the United States. Since 1993, we have built a legacy of success through exceptional customer care, remarkable products and powerful networks. These strengths enable us to deliver scalable solutions that help customers improve their business metrics. For more information, please visit www.twtelecom.com.

Elite NLAN

Point-to-Point Connectivity

- Connect any two locations within a **tw telecom** market
- Dedicated full-duplex 10M/100M/1000M service via IEEE Standard Ethernet Services
- We deploy, manage and own the platforms at your location
- Network Protected Service

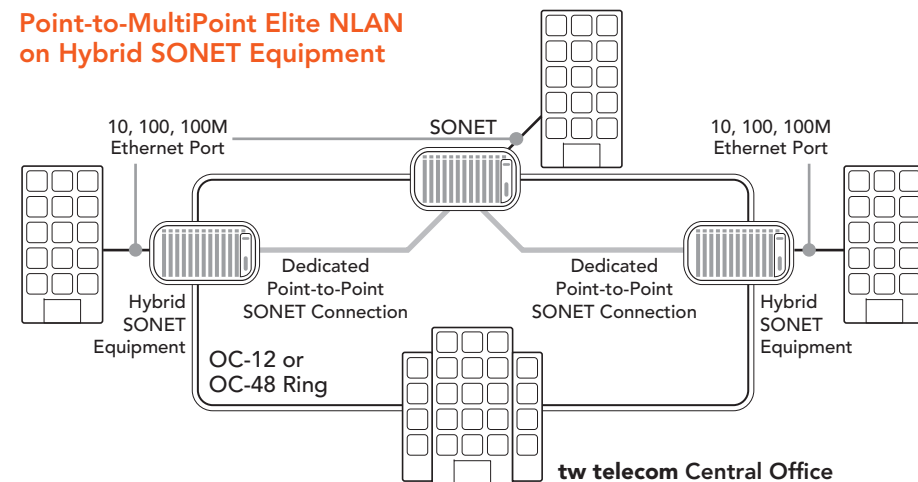
Point-to-Point Elite NLAN on Hybrid SONET Equipment



Point-to-Multipoint Connectivity

- Premium Hub-and-Spoke metropolitan area Ethernet solution
- Dedicated SONET-protected Hub-to-Spoke links
- Access the network via 10M/100M/1000 Mbps IEEE Standard Ethernet interface
- Network Protected Service

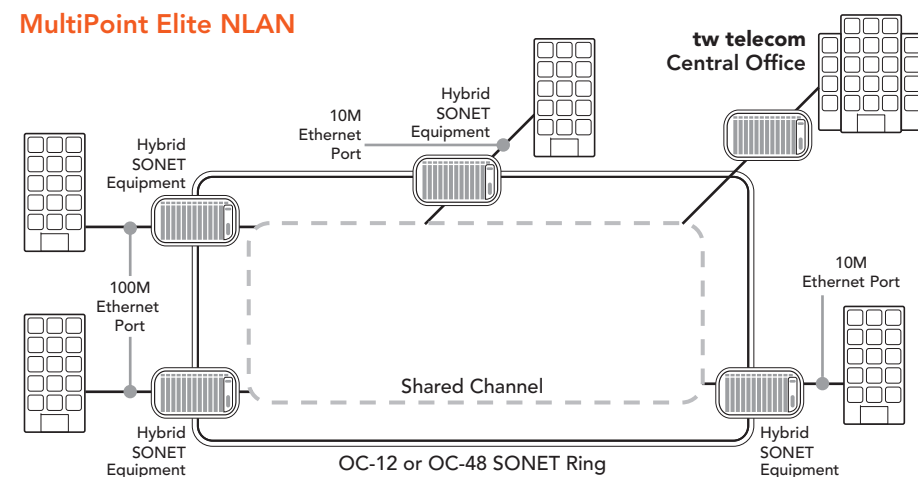
Point-to-MultiPoint Elite NLAN on Hybrid SONET Equipment



MultiPoint Connectivity

- Connect your multiple locations within a **tw telecom** market using a channel dedicated to your traffic
- Send traffic from any location to any location
- Access the network via 10M/100M/1000 Mbps IEEE Standard Ethernet interfaces
- Network Protected Service

MultiPoint Elite NLAN



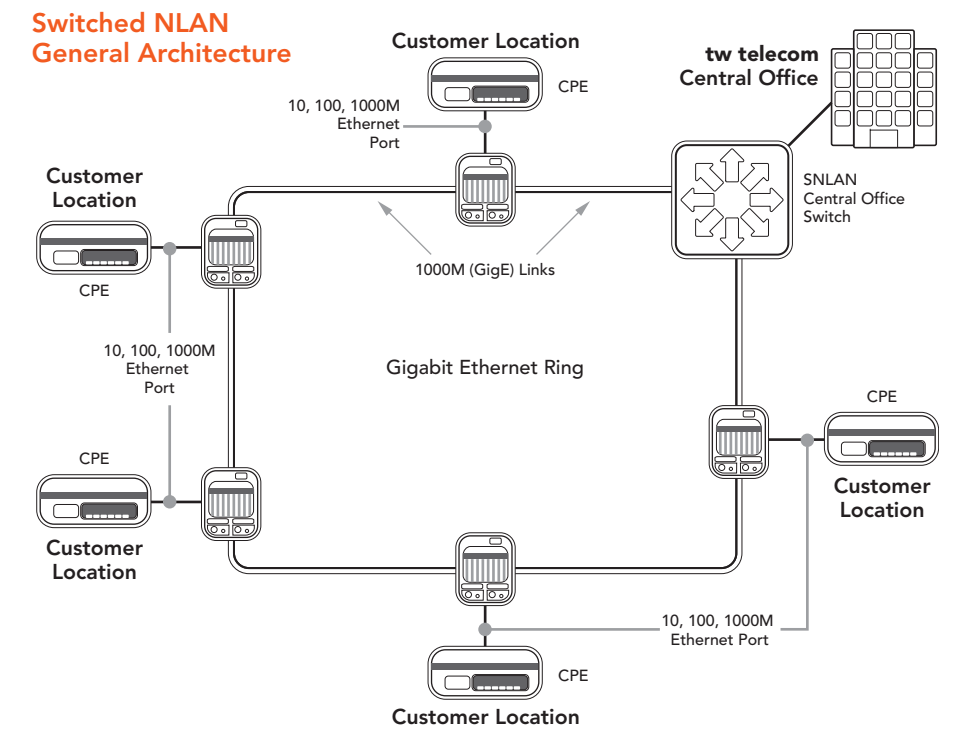
Switched NLAN

Switched NLAN (SNLAN) uses Ethernet switches interconnected with Gigabit Ethernet fiber links. You receive dedicated access, via a standard IEEE Ethernet port, to a shared, **network-protected** infrastructure.

Multiple customers ride the Gigabit Ethernet ring and share the available bandwidth. Each customer's traffic is uniquely identified and securely separated across the shared network through the use of VLAN tags. For customer tagged Ethernet traffic, you have two options:

- **Unlimited Tag Service (UTS):** Transparently transport as many VLAN Tags and any VLAN Tag numbers desired across the TWTC network at any time.
- **Individual Tag Service (ITS):** Pay per tag to transport across the network.

Switched NLAN General Architecture



Customer Direct NLAN

In exchange for lower cost for your point-to-point Ethernet connectivity, **tw telecom** offers Customer Direct NLAN, a standalone, non-network protected Ethernet Private Line (EPL) service. You still benefit from scalable Ethernet connections from 100M to 1000M, but your service is not managed by our National Operations Center.

Customer Direct NLAN Service

