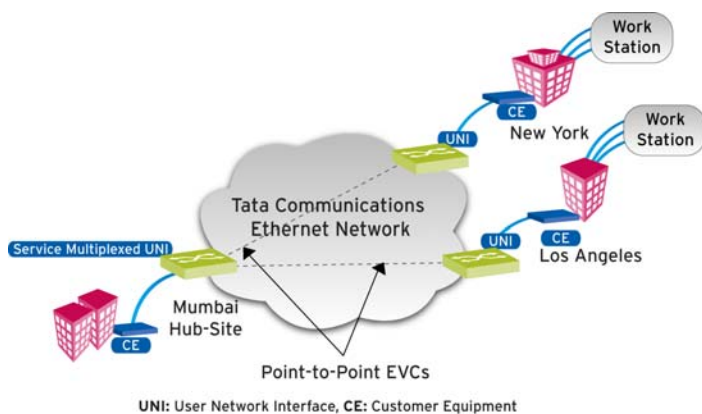


PRIORITY POINT TO MULTIPOINT ETHERNET

Data Sheet



- Mesh protection ensures service continuity
- Global reach of service as well as national coverage in India
- Multiple classes of service
- Non-service affecting upgrades

Centralized Processing to Multiple Locations

Tata Communications provides Priority Point to Multipoint Ethernet service for businesses that require centralized data processing, such as financial institutions with multiple branch offices, retailers with numerous store locations, or health care organizations with hospitals and clinics. The service, available globally as well as nationally throughout India, is part of Tata Communications' comprehensive offering of WAN Ethernet services, enabling enterprises to select or combine the most appropriate Ethernet service for their needs.

This service features:

- Point to multipoint configuration (hub and spoke)
- Mesh protection for service continuity
- Choice of multiple classes of service (CoS)
- Interclass bursting for greater bandwidth efficiency
- Non service-affecting upgrades

Priority Point to Multipoint Ethernet is ideally suited for connecting multiple locations with large bandwidth requirements, such as applications served from data centers. Other ideal applications include multi-cast applications, in which enterprises transmit content to multiple customers simultaneously, such as a media enterprise streaming content to many subscribers.

Multiple Classes of Service

Customers may select from one or multiple classes of service, with interclass bursting. These classes of service enable enterprises to prioritize their traffic. Delay-sensitive data, such as voice or video, can be prioritized in the highest class of service (CoS1) and transmitted first. Less delay-sensitive but high priority business data, such as SAP or Oracle, may be carried in a lower class of service that still arrives in a timely manner. Ongoing data transmittals can be relegated to an even lower class of service that still assures delivery. If congestion occurs, the network responds by reducing traffic beginning with the lowest class of service, until the congestion eases. Transmittal of the highest class of service (COS1) data continues unaffected by network congestion.

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Features and Benefits

Feature	Details	Benefits
Choice of bandwidth	<ul style="list-style-type: none"> 64 Kb, 128 Kb, 512 Kb 1-100 Meg in 1 Meg increments 105 – 145 Meg in 5 Meg increments 	Customers can match consumption needs with exact capacity purchases.
Choice of interface handoffs	Fast-E interface: <ul style="list-style-type: none"> 100BaseTx (copper RJ45) 100BaseFx (fiber, SM/MM 1310nm) Gig-E interface: <ul style="list-style-type: none"> 1000BaseLX (fiber, SM, 1310nm) 1000BaseTx (copper RJ45) (case-by-case) 	Greater growth potential without changing interfaces. Port flexibility based on future growth. Offering choice based on fiber vs. copper preference. Broad selection of handoffs between customer and Tata Communications.
Choice of frame sizes	Standard frame sizes (64-1518)	Works with all applications.
Mesh protection	Network protection designed with multiple pathways into Tata Communications' PoPs.	Leverages geographic diversity for business continuity planning.
Interclass bursting	Allows for bursting from a lower CoS into unused higher CoS bandwidth.	Increases bandwidth efficiency.
Non service-affecting upgrades	Bandwidth can be upgraded without service interruption, without changing ports	Seamless growth, improved business continuity, cost reduction.
Classes of service	Choice of four CoS to prioritize frames and regulate network traffic.	Allows customers to prioritize traffic. For example, if email service is non-critical, customers can economize by purchasing a lower CoS priority for email frames.

Service and Support

Tata Communications offers customers competitive Service Level Agreements (SLA) based on the Class of Service selected. These SLAs, based on a calendar month, include the following:

Parameter	Class of Service 1	Class of Service 2	Class of Service 3	Class of Service 4
Applicability	Measured between Tata Communications PoPs			
Service availability	India Tier 1 PoPs: 99.995%; India Tier 2 PoPs: 99.9%; India Tier 3 PoPs: 99.5%; Key Int'l sites: 100%; All other int'l sites: 99.9% * Defined as the Absence of PoP availability - in minutes			
Network packet delivery	99.95% of packets successfully delivered between ports	99.5% of packets successfully delivered between ports	99.0% of packets successfully delivered between ports	Best effort basis for successful delivery of packets between ports
Network roundtrip delay	Based on sites and class of service			
Jitter (delay between packets in their deviation or displacement)	India Tier 1 PoPs: 5msec India Tier 2 PoPs: 10msec India Tier 3 PoPs: 15msec Key int'l sites: 5msec All other int'l sites: 15msec	Not available	Not available	Not available

* Please refer to the SLA Schedule for the most current SLA parameters.

Priority Point to Multipoint Ethernet complies with the following standards:

Service Feature	Standard Supported
Service description	IETF PWE3 standard
EMS & NMS profile	MEF 7
Service capabilities	MEF 6
Customer interface	IEEE 802.3xx, ITU-T G.8012
QoS/CoS	IEEE 802.1P, IEEE 802.1Q, Diffserv, MPLS EXP
Transport	ITU-T G.707, G.7041, G.7042, IEEE 802.1q

For More Information

For more information about Priority Point to Multipoint Ethernet or other Tata Communications WAN Ethernet services, please visit www.tatacommunications.com.

Did you know?

VLANs are additional tags created to segregate specific network traffic. Since traffic is tagged upon ingress to a specific network, frames using VLANs cannot traverse other networks without contractual agreements and coordination.

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