Whether you have highly demanding applications or high frequency financial transactions, your network should support your business efficiently and economically.

Low latency multipoint ethernet from Tata Communications is the only multipoint ethernet suite that offers the following options for your business.

**Interfaces**- Choose 100BaseFX, 1000BaseTx, 1000BaseLX, 1000BaseSX, or 10 Gig-E for the greatest flexibility in connectivity.

- **Gig-E interface:**
  - 1000BaseLX (fiber, SM, 1310nm)
  - 1000BaseSX (fiber, MM, 850nm)
  - 1000BaseTx (copper RJ45)

- **10GE LAN PHY:**
  - 10Gbase SR: 850nm, multimode, 26-300m
  - 10Gbase LR: 1310nm, single mode, 2m-10km
  - 10Gbase ER: 1550nm, single mode, 30-40km

**Bandwidth**- Provision any of the following Committed Information Rates (CIR) for your network, insuring you always have the full bandwidth you’ve purchased:

- **Fast-E interfaces:** 2-100 Megs in 2 Meg increments
- **Gig-E interfaces:** 50-500 Megs in 50 Meg increments

**Network configurations**- Depending on your business requirements, Low Latency Multipoint Ethernet can be deployed in the following configurations:

- The hub and spoke configuration allows one central site to transmit to satellite sites. The satellite locations can only transmit to the central site. The hub site can direct traffic to and from remote satellite locations.
- Our any-to-any configuration allows all sites on the network to communicate with each other.
- Sites will be connected to each other with shortest latency paths.
Frame size- Depending on your data types and applications, you may want to select the optimum frame size for your network traffic:

- Default standard frame: Supports frame sizes from 64 Bytes to 1,522 Bytes.
- Jumbo frames: On request, support for jumbo, 9000 Byte frames.

Classes of service- Low latency multipoint ethernet provides first-in, first-out frame forwarding for all your data.

Customer frame restrictions- Low latency multipoint ethernet is VLAN and QoS transparent.

MAC addresses- Low latency multipoint ethernet allocates 150 MAC addresses per site. (Requests for a larger number can be supported on a case-by-case basis).

Service level agreements- All low latency multipoint ethernet services allow customers to choose managed or unmanaged service options based on their network requirement. The managed option extends SLA coverage from premise-to-premise, covering Service Uptime, Packet Delivery ratio, latency, and jitter. The unmanaged option provides SLAs from PoP to PoP.

Circuit protection and data paths- Low latency multipoint ethernet offers unprotected networks or a mix of both within a network. All data is routed over the shortest, deterministic path between any customers site.

Number of sites- Tata Communications multipoint services can support upto 50 customer sites using a mix of our low latency and standard networks.

Upgrades or downgrades- Changes in bandwidth on the Tata Communications network will not interrupt your service, and can be applied at any time.

Low latency multipoint ethernet services are MEF-9 and MEF-14 certified, insuring that your network is compliant and compatible with the leading international networking standards.

For more information about Tata Communications WAN ethernet services, visit www.tatacommunications.com/vpn/ethernet.asp
Visit www.tatacommunications.com/vpn/PBBKnowledgeCentre.asp to learn more about PBB
Write to PBBExpert@tatacommunications.com for PBB related queries

About Tata Communications

Tata Communications is a leading global provider of a new world of communications. With a leadership position in emerging markets, Tata Communications leverages its advanced solutions capabilities and domain expertise across its global and pan-India network to deliver managed solutions to multi-national enterprises, service providers and Indian consumers.

The Tata Global Network includes one of the most advanced and largest submarine cable networks, a Tier-1 IP network, with connectivity to more than 200 countries across 400 PoPs, and nearly 1 million square feet of data center and colocation space worldwide.

Tata Communications’ depth and breadth of reach in emerging markets includes leadership in Indian enterprise data services, leadership in global international voice, and strategic investments in operators in South Africa (Neotel), Sri Lanka (Tata Communications Lanka Limited) and Nepal (United Telecom Limited).

Tata Communications Limited is listed on the Bombay Stock Exchange and the National Stock Exchange of India and its ADRs are listed on the New York Stock Exchange. (NYSE: TCL)