Point to Point Ethernet (EAD)

Amatis Networks can offer Point to Point Ethernet circuits between office locations; these are also known as Point to Point EAD

Ethernet as a technology offers high performance and bandwidths. Businesses would typically utilise a point to point circuit where large amounts of data are being transferred between site locations for example database replication traffic, Video or Voice.

Point to Point Ethernet circuits always come fully enabled from a bandwidth perspective.

Circuit options available are as follows:

- 10Mb Ethernet (maximum radial distance 25km / 15.5 miles)
- 100Mb Ethernet (maximum radial distance 25km / 15.5 miles)
- 1000Mb / 1Gb Ethernet (maximum distance 25km / 15.5 miles)
- 10Mb Ethernet Extended Reach (maximum radial distance 45km / 28 miles)
- 100Mb Ethernet Extended Reach (maximum radial distance 45km / 28 miles)
- 1000Mb / 1Gb Ethernet Extended Reach (maximum distance 45km / 28 miles)

Presentation and lead-time

All Ethernet circuits are terminated at the customer's site into either a rack mountable or wall mounted NTE. From the NTE both the 10Mb and 100Mb Ethernets circuits would be presented to the client's equipment on RJ45.

Whereas the 1Gb would presented on fibre from the NTE, the customer will require an LC connector for termination into their equipment. Link Loss Forwarding can be enabled in a single direction. The service is capable of transmitting frames conforming to IEEE 802.3 with frame sizes from
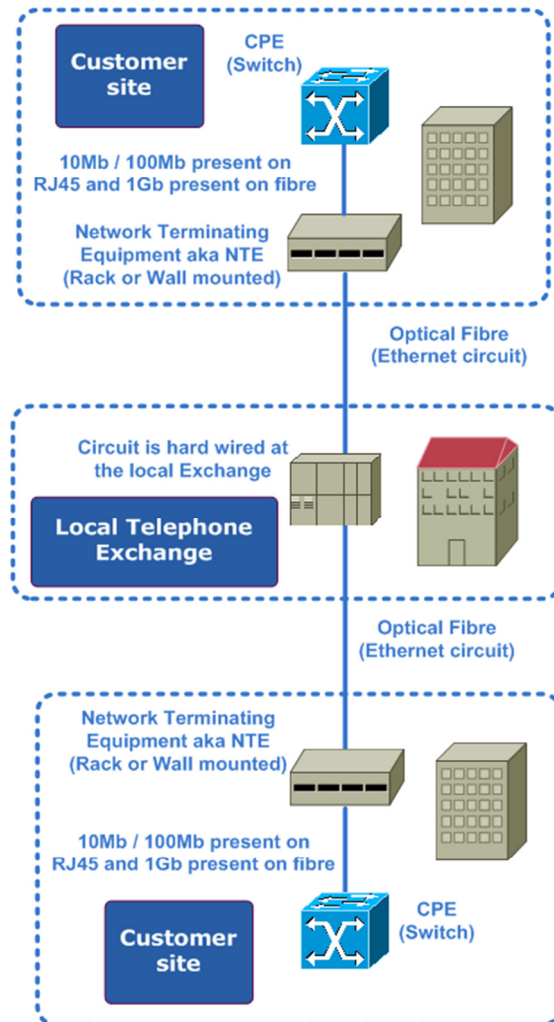
64 bytes to a maximum of 2000 bytes as specified in IEEE 802.3 and amendment IEEE 802.3as.

Point to Point circuits are layer 2 so these can be terminated direct into the customers LAN equipment (Switch)

Point to Point circuits have a lead-time of 65 to 90 working days from order acceptance.

Delivery

Point to Point Ethernets are inherently secure as these circuits are hard wired at the exchange or multiple exchanges between the client's site locations. IL2 Security assured, all Point to Point variants meet the security standards required to support Government network bids.

Due to the fact that Point to Point Ethernets are office to Exchange to Office connections these are typically supplied as a wires only service as Amatis Networks cannot monitor the circuit's availability or supply annual supported hardware on point to point circuit, unless the customer has either an additional Internet facing circuit or MPLS/IPVPN or ADSL for monitoring, these circuits must be supplied by Amatis Networks and not via another provider.

Point to Point 10Mb / 100Mb / 1Gb circuits at a glance

- Symmetric / full duplex (same bandwidth both ways)
- High Performance, high bandwidth availability (fully enabled)
- Reliable
- Fixed Cost / Cost Effective
- Zero Contention
- Private and inherently secure – IL2 Assured
- 24x7x365 Service Level Agreement
- 10Mb and 100Mb circuits present on RJ45
- 1000Mb / 1Gb circuits present on Single Mode / Multimode fibre (LC required)Layer 2 so can be configured with VLAN's (CPE equipment)
- Installation lead-time is between 65 and 90 working days from order acceptance