



Asymmetrical Ethernet

Reliable, scalable and affordable local and national Ethernet service

Definition

The Asymmetrical Ethernet Product is delivered as both a Metro and a National solution at specific Enet On-Net locations throughout the Enet network. There are a range of bandwidth options to choose from, delivered over Enet fibre network, providing a secure and reliable service for users. A list of eligible locations is available on request.

Service Description

The Asymmetrical Ethernet product is delivered to the End-User premises exclusively via On-net point-to-point fibre and terminated on an Enet supplied NTU. The main features include:

- **Bandwidths:** Asymmetrical as follows;
 - 150Mb/20Mb
 - 300Mb/40Mb
 - 500Mb/60Mb
- **Class of Service:** Circuit based Best Efforts only
- **SLA:** A target of 99.9% network availability with a Time-to-Repair of two working days
- **Solution Types** supported are *E-Access EPL* and *E-Access EPL (Dual E-NNI)*

Technical Specifications

| | Features |
|--------------------------------|---|
| Protocols and Standards | <ul style="list-style-type: none"> ✓ IEEE 802.1D MAC bridges — including .1p Priority ✓ IEEE 802.3ad LACP and IEEE 802.1ad LACP ✓ IEEE 802.1Q VLAN |
| Flexibility | <ul style="list-style-type: none"> ✓ Bandwidth can be upgraded as required |
| Customer Support | <ul style="list-style-type: none"> ✓ 24x7x365 Network Operations Centre support |
| Handoff | <ul style="list-style-type: none"> ✓ To Carrier on MAN using Layer 2 aggregated IEEE 802.1ad interconnection |
| MTU | <ul style="list-style-type: none"> ✓ 2000 bytes as standard |
| MAC Addresses | <ul style="list-style-type: none"> ✓ Limit of 100 |
| Service Handoff | <ul style="list-style-type: none"> ✓ Provider Bridge (IEEE 802.1ad PB) is the default configuration |
| Presentation | <ul style="list-style-type: none"> ✓ Electrical RJ45 1000Mbps port |
| Interface Type | <ul style="list-style-type: none"> ✓ 1000 Base-T |
| Demarcation Point | <ul style="list-style-type: none"> ✓ The port facing the End-User network on the Enet NTU |
| Power | <ul style="list-style-type: none"> ✓ The default NTU uses a single AC power supply. Dual power on request. |

Service Delivery

- A single P2P fibre connects the MAN Colo to the End-User site and is terminated on a fibre patch panel
- The Enet NTU is then installed at the End-User site
- This product is available at specific locations that require minimal external civils

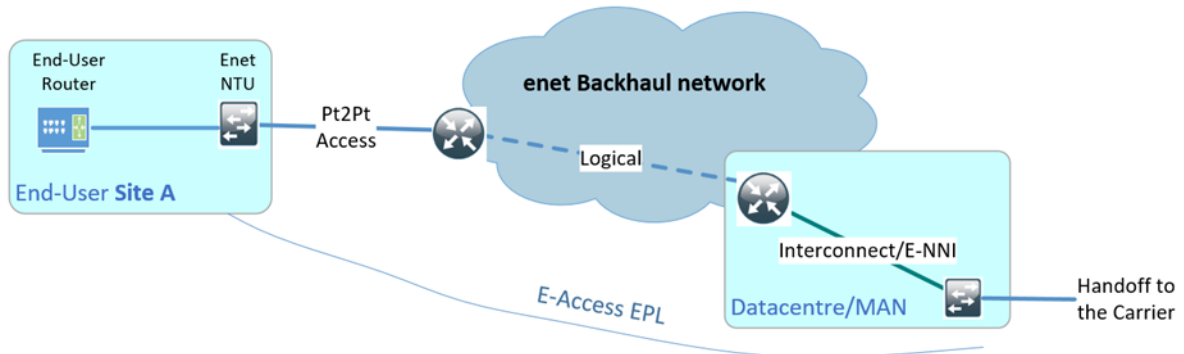


Figure 1: Typical Network Architecture – National E-Access Service

Enet Responsibilities

Enet is responsible for:

- Provisioning an Ethernet solution from the End-User premises to interconnect (E-Access)
- The operation and maintenance of the Ethernet service
- Assigning the VLAN identifiers on the Layer 2 aggregated interconnect corresponding to the desired Ethernet bandwidth

Carrier Responsibilities

The Carrier is responsible for:

- Allocating adequate rack space for installation of fibre patch panel and the Enet NTU
- Provisioning of a clean protected power supply for the NTU
- Shaping the traffic in line with the purchased traffic profile
- The operation and maintenance of the services purchased by the End-User
- Owning the relationship with the End-User
- Acting as the point-of-contact for any End-User enquiries

Glossary

- NTU Network Terminating Unit
- MTU Maximum Transmission Unit
- MAC Media Access Control
- S-VLAN Service-Virtual Local Area Network
- EPL Ethernet Private Line

Further Information

Quotations

A quotation for service can be submitted via an email to the quoterequests@enet.ie

Ordering and Provisioning

Asymmetrical Ethernet orders should be emailed to the Enet Sales Support Team at salesupportteam@enet.ie. The Sales team will provide Service eligibility checks for the service. Note that there may be excess charges.

Further information

Contact your Enet Account Manager or contact us at:

Telephone: + 353 (0)61 274000

Webpage: www.enet.ie