Fact sheet:

Ethernet Access Direct

Ethernet Access Direct (EAD) provides point-to-point data connectivity between sites. It can be used to **build and extend customer networks, develop new infrastructure**, and **meet low-capacity backhaul requirements** (i.e. up to 1Gb, which is the starting bandwidth for Ethernet Backhaul Direct).

EAD supports a range of requirements including; cloud computing, simultaneous online pupil access in classrooms and storage area network connectivity.

Product benefits:

Single fibre connectivity

Less need for civil engineering means better and potentially faster provisioning

Resilience 'in the box'

A choice of affordable protection against fibre breaks and unforeseen issues offers peace of mind for critical connections

Powerful diagnostics

The ability to test your own circuits gives you more control and could mean faster repair. All in all, a better end user experience

New 4U Modular Chassis

Back to back chassis installation offers you the potential to save money in the exchange

IL2 security assured

All EAD variants meet the security standards required to support Government network bids

Flexible

Can provide secure links between a combination of end user sites, CP networks and sites and BT exchanges

Attractive pricing

Competitive rentals and contract terms offer the potential to attract more business

Environmentally considerate

Enhanced remote diagnostic capability means fewer truck rolls needed

Future proof

A next generation compatible service and the focus of future innovation and pricing initiatives

Nationwide coverage

National network with 21,000+ engineers qualified to work underground, overhead and in secure and sensitive environments.

Connection capabilities:

End user site | BT access node | BT access node | Remote CP site | End user site
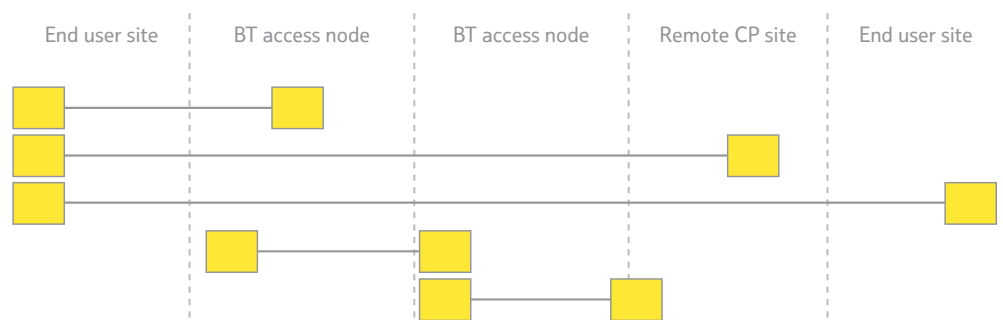
Product features:

- Permanently connected, point-to-point high speed data circuits
- IEEE (Ethernet specification) compliant
- Optical fibre cable offering un-contended bandwidth with no usage limits
- Chassis with front facing fans, power units and cabling
- Two NTE options: ADVA, FSP150 4U Multi-slot & FSP150 CPMR
- FSP150 4U Multi-slot (NGN Modular NTE) can terminate up to 15 services
- Electrical and optical customer client port presentation – dependant on product selected

- Individual (single port presentation) point-to-point Ethernet circuits:
  - 10 Mbit/s 10 BaseT copper interface
  - 100 Mbit/s 100 BaseT copper interface
  - 1000 Mbit/s 1000 BaseSX Multimode dual fibre working interface
  - 1000 Mbit/s 1000 BaseLX Single-mode dual fibre working interface
- Circuits are managed by FSP Network Manager with a WEB GUI interface and using NGN tools for activating self tests and PACS for configuring
- Portal Loopback capability
- User and Network Link Loss Forwarding.

Circuit reach:

- **Maximum radial distance: 25km** (35km extended reach at 1000 Mbit/s)
- **Maximum route distance: 40km** (66km extended reach at 1000 Mbit/s)
- EAD Local Access provides access as far as the fibre serving exchange.

How it works:
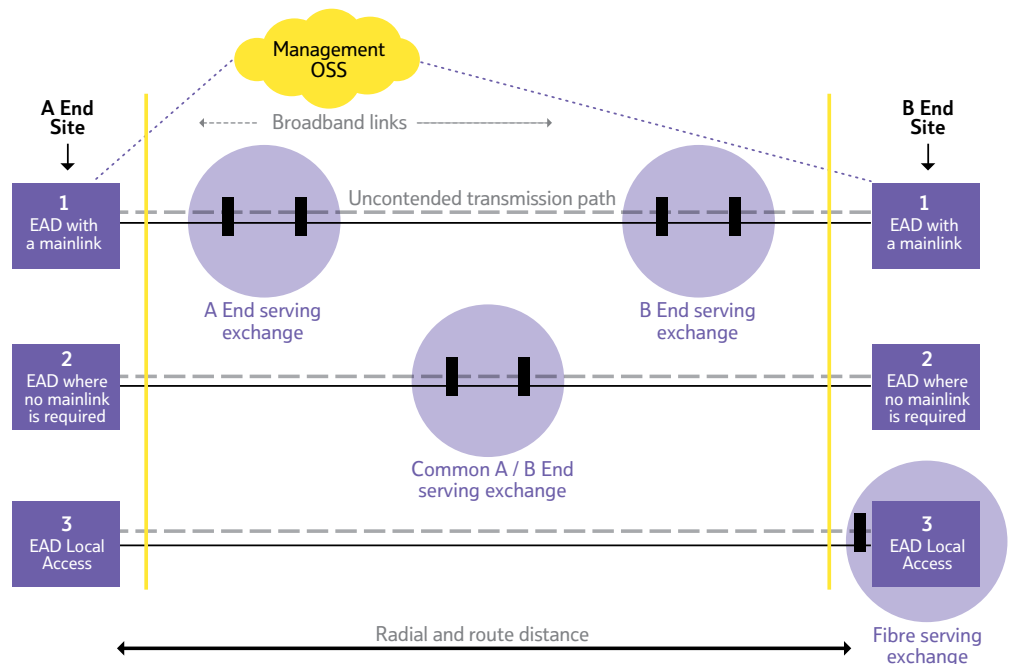
This diagram shows three separate circuits:

1. EAD with a mainlink
2. EAD where no mainlink is required
3. EAD Local Access

Available bandwidths

10Mbit/s	10Mbit/s Local Access	100Mbit/s	100Mbit/s Local Access	1Gb Local Access	1Gb	1Gb Extended reach

www.openreach.co.uk

For more information on EAD visit **www.openreach.co.uk** or contact your Openreach Sales and Relationship Manager.