

HiPath Fibre Optic Line Extender (FOLE)

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Fibre Optic Line Extender (FOLE)

The Fibre Optic Line Extender, (FOLE) for short, is designed to enable small groups of optiPoint 500 and optiset E telephone users to be located at a distance of up to 7 kilometres from the communications server.

Previously the administrators of large disparate sites would have invested in small key systems or long line analogue extensions for remote users, providing them with an inferior service to users located at the central site.

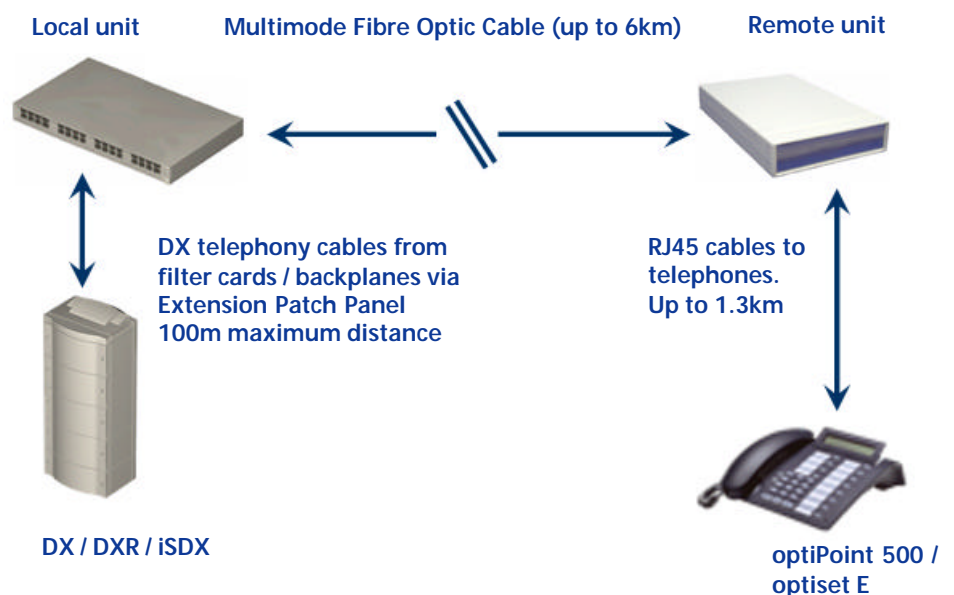
FOLE provides the users of optiPoint 500 and optiset E telephones with access to all features and functionality of the central communications server and removes the complication of different service, maintenance, and management for remote platforms.



Typical network layout using

The typically application will be for campus operations, such as universities, dockyards, or military bases where buildings are often located at considerable distances from the central switch.

Other applications are for customers who have a policy of providing fibre optic based networks for the data connectivity or have security requirements.



The local unit is designed to be rack mounted and is 1U high and contains 4 slots for 8 or 2 port extender cards to provide a maximum of 32 ports. Each of the extender cards derives power from the DTU line card to which it is attached.

The distance between the local unit and the DTU line card must not be greater than 100 metres. The distance between the local and remote units using the optical fibre is up to 6 km using 62.5/125 multimode fibre cable and up to 5km using 50/125 multimode fibre cable. The OptiPoint or optiset E telephones may be located up to 1.3 km from the remote unit.

The remote end unit is available in 2 and 8 port variants and requires a local power supply. Each remote unit needs to be located close to a mains socket for the desktop power supply.

Diagnostics for both local and remote unit are provided by an LED which flashes at varying rates according to the state of the line.



All the optiset E and optiPoint 500 adaptors and add-ons can be used on the telephones connected to the remote unit.

The codes for the FOLE components are:

1HAC50165ABA	DTU Line Extender 2 Port Local Unit
1MBB50410ABA	DTU Line Extender 2 Port Remote Unit
1HAC50165AAA	DTU Line Extender 8 Port Local Unit
1MBB50410AAA	DTU Line Extender 8 Port Remote Unit
1MBB50409AAA	DTU Line Extender Local Unit Rack Unit

Technical Data

Local Unit:

Dimensions h44mm, w482mm, d220mm.
Weight: 3.2 kg (Fully equipped with 8 port cards).
Power: None required. Derived from attached DTU circuit.

Remote Unit:

Dimensions h40mm, w160mm, d250mm.
Weight: 0.7kg.
Power: 48 volts dc, 1amp from provided local desktop supply.



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