
EasiLink G.703

Fibre optic link systems for structured / un-structured G.703 / E1

The low cost answer for 2048kbit/s fibre connectivity



The EasiLink G.703 range of Fibre Optic link systems from Fourthtrack Systems is a great solution for fast, low cost inter-connectivity of voice and data systems via fibre optic cable. The EasiLink G.703 supports a G.703 interface to the external equipment, and both multi-mode and single mode fibre on the optical interface.

Users that have a G.703 interface on their communications equipment, such as a PBX, multiplexer or Bridge/Router, in a campus environment, sometimes have the need for cross-campus inter-connection over a range from 100 metres to thirty kilometres. A fibre optic link is often the best solution. Noise immunity, range, flexibility and security are just four reasons why fibre optic inter-connect is growing in popularity. The EasiLink G.703 provides a simple plug and run method of interfacing G.703 customer equipment to campus-wide fibre optic trunks.

The EasiLink G.703 provides a G.703 interface to inter-connect to the DTE, that is the PBX, multiplexer or Bridge/Router owned by the customer. This interface emulates a G.703 clear channel service, the type of service usually provided by the carrier as a private circuit in the wide area context. Both structured (G.704) and un-structured (G.703 clear channel) services can be supported over such a link with the structure (if required) being supported by the DTE.

There are two options for the fibre optic interface connection, single mode and multi-mode. The default connector is ST. Other types of connector, such as SMA, can be supported using adapter patch cables. The multi-mode version supports a range of up to 3km. The single mode version supports a maximum range of 30km and a minimum range of 100 metres.

Specifications

- Input Port:** Fibre Optic interface capable of clocking at 2048kbit/s.
Loop back option (management selectable).
- Multi-mode interface:
Transmitter type: L.E.D.
Connector type: ST (others adapted by patch cable)
Range: 3kM
Cable type: 62.5/125micron
- Mono-mode interface:
Transmitter type: Laser (Cl 1)
Connector type: ST (others adapted by patch cable)
Range: 30kM
- Output Port:** Transparent to the G.703 physical layer with transparent clock.
Loop back option (management selectable).
(BAPT Approval Number NS/3934/1/N/608027 for 75 ohm connection)
(CE 168 X for the standard 120 ohm connection)
- Status indicators:** Green L.E.D. for power status
Green L.E.D. for G.703 line status (DCD)
Green L.E.D. for fibre line status (DCD)
Red L.E.D. for fibre line error
Amber L.E.D. for loop back enabled
- Power supply:** Internal international power supply auto-ranging – 90 to 260V, 50/60Hz
DC option – 36 to 72 VDC
- Dimensions:** 195 mm x 121mm (138mm over connectors) x 45mm
(7.7" x 4.8" x 1.8" approx).

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