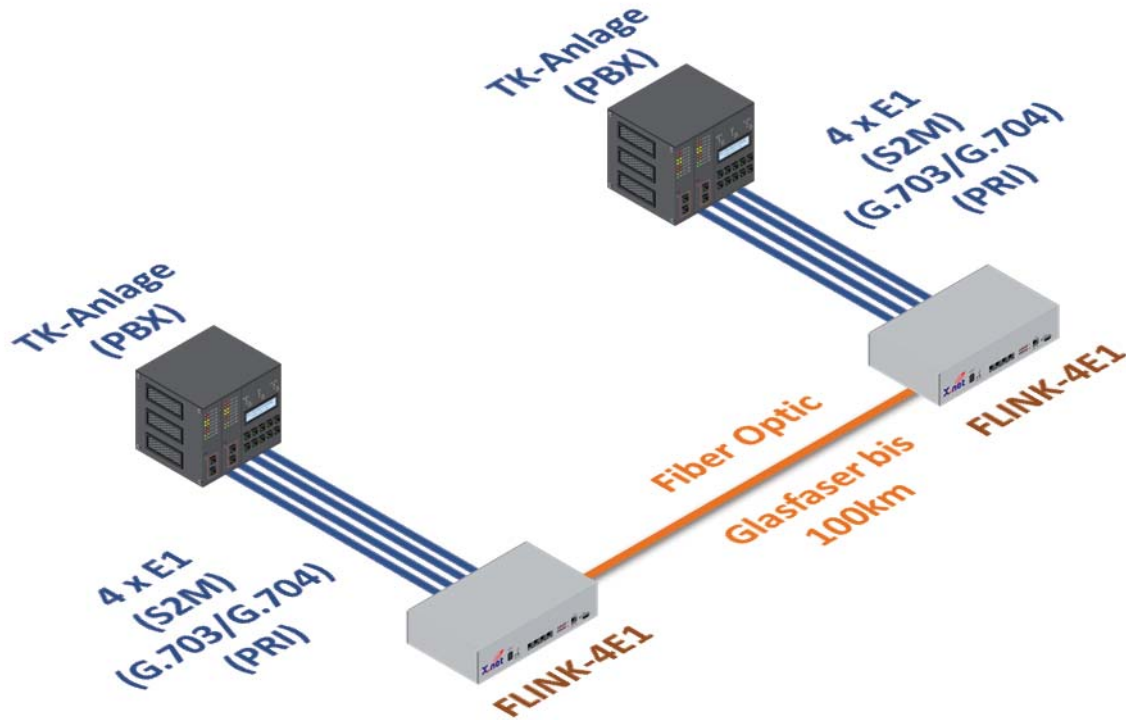




## Fiberlink Serie FLINK

## FLINK-4E1



- Provide 4 x E1 with 120ohm balanced interfaces
- low power consumption and high reliability
- Standard 1U rack with the characteristics of small size, light height, high reliability and easy for installation
- Built-in BER tester for each E1 channel
- Provide loop-back function to diagnose link status for each E1 channel
- Support single mode or multimode fiber
- Optional dual-strand fiber and single-strand fiber (WDM technology)
- Optional dual optical interface with protection
- Provide 1xRS232 asynchronous data port
- Both standalone and central rack solution support remote management
- Support multiple power environment -48VDC or 220VAC

The FIBER LINK series PDH Fiber Multiplexer is a series of optical and electrical transmission equipment.

It supports multiple E1 interfaces, support dual optical port, provide 1+1 service protection.

The Desktop unit series provides ideal solutions for building fiber-based E1 networks. Available as standalone units or as module for rack mount to save valuable space.

It converts 4 E1 to fiber signal and transmits the converted signal over the fiber cable.

# 4 x E1 over Fiber Optic

4 x E1  
(G.703)  
(G.704)  
(S2M)



FIBER OPTIC  
GLASFASER

## FLINK-4E1

### Interfaces:

#### 4 x E1

Interface: 2 MBit/s G.703/G.704

Code: HDB3

Type: 4-Wire (120 Ohm)

Connector: RJ45-Buchse

ITU G.703

#### 1 x RS232 interface:

serial transmission (2+3 and GND)

Connector: RJ45

### Configuration:

Type: asyc.

Connector: RJ45

### Optical interfaces:

Please see chart

LEDs for diagnostics of Fiber-Link, E1, Alarm, loop etc.

Power supply: 85VAC ~ 265 VAC

Working temp.: 0 ~ +50 °C

Weight: 0,7 kg

Dimensions:

Desktop version 1U (LxWxH) mm 200 x 145 x 42

### Ordering information FLINK-4E1 (Desktop version)

| Description                     | Item number      |
|---------------------------------|------------------|
| <b>Dual fiber</b>               |                  |
| FLINK-4E1 Multi Mode (2 km)     | 5-010-0004/G13   |
| FLINK-4E1 Single Mode (25 km)   | 5-010-0004/SM13  |
| FLINK-4E1 Single Mode (60 km)   | 5-010-0004/SM13H |
| <b>Single fiber</b>             |                  |
| FLINK-4E1 Bi-Directional (25km) | 5-010-0004/BD13  |
| FLINK-4E1 Bi-Directional (25km) | 5-010-0004/BD15  |
| FLINK-4E1 Bi-Directional (60km) | 5-010-0004/BD13H |
| FLINK-4E1 Bi-Directional (60km) | 5-010-0004/BD15H |

| Optische Schnittstelle | Multi Mode (G13)             | Single Mode (SM13)          | Single Mode (SM13H)         | Single Mode (SM15)   |
|------------------------|------------------------------|-----------------------------|-----------------------------|----------------------|
| Typ                    | Grad. 62,5/125 µm            | Single Mode 9/125 µm        | Single Mode 9/125 µm        | Single Mode 9/125 µm |
| Fiber type             | 2                            | 2                           | 2                           | 2                    |
| transmission level     | -14 ~ -20 dBm                | - 8 ~ -15 dBm               | 0 ~ -5 dBm                  | 0 ~ -5 dBm-          |
| sensitivity            | < - 31 dBm                   | < - 34 dBm                  | < -35                       | < -35                |
| wavelength             | 1330 nm                      | 1330 nm                     | 1330 nm                     | 1550 nm              |
| Typical distance       | 2 KM                         | 30 KM                       | 60 KM                       | 120KM                |
| Connector type         | Duplex - SC                  | Duplex - SC                 | Duplex - SC                 | Duplex - SC          |
| Optische Schnittstelle | BiDi -13 / -15               | BiDi -13H / -15H            | BiDi -1550H / -1570H)       |                      |
| Typ                    | Single Mode 9/125 µm         | Single Mode 9/125 µm        | Single Mode 9/125 µm        |                      |
| Fiber type             | 1                            | 1                           | 1                           |                      |
| transmission level     | -3 ~ -9 dBm /<br>-3 ~ -9 dBm | -3 ~ -5 dBm /<br>0 ~ -5 dBm | +2 ~ -5 dBm/<br>+2 ~ -5 dBm |                      |
| sensitivity            | < - 31 dBm                   | - 34 dBm                    | < - 33                      |                      |
| wavelength             | 1330 nm / 1550 nm            | 1330 nm / 1550 nm           | 1550 nm / 1490 nm           |                      |
| Typical distance       | 25 KM                        | 60 KM                       | 120 KM                      |                      |
| Connector type         | Simplex - SC                 | Simplex - SC                | Simplex- SC                 |                      |