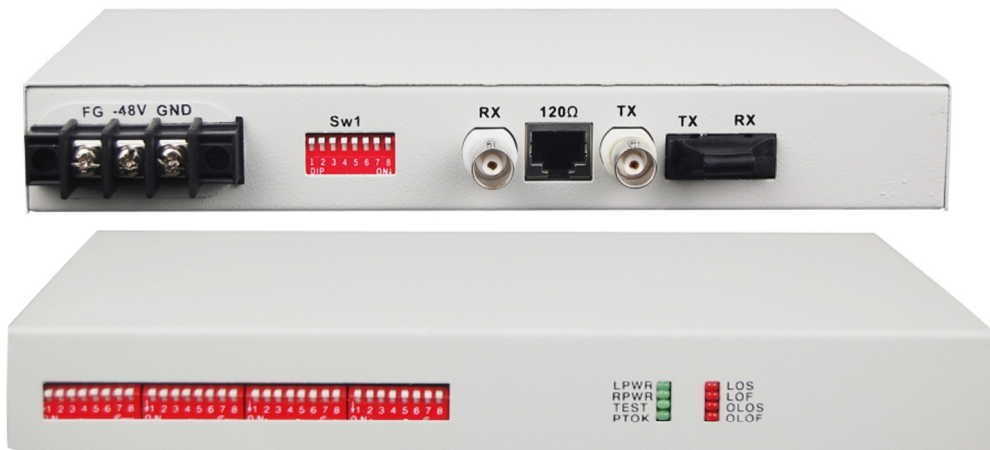


DIREKTRONIK

Dataprodukter utöver det vanliga



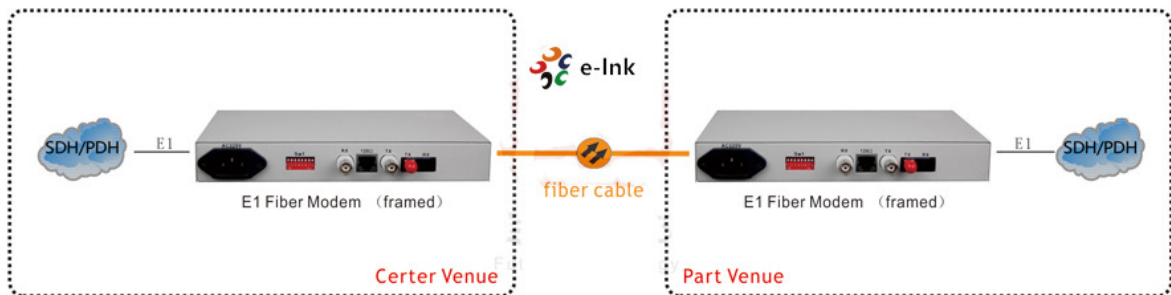
Model: LNK-EF001F Series

Overview

This device provides one Framed E1 interface and one optical interface to achieve interface conversion, rate conversion and timeslot extraction from E1 to Optical. When unframed mode, the data channel rate is 2.048Mbps. The device has inter-set loop test function to facilitate the project launching and daily maintenance.

- Based on self -copyright IC
- Can detect the reason of optical signal losing is that the device power-off or transmission fiber broken
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- After strict testing and practical verification system, completely comply with protocol ITU-T V.35, G.703, G.704
- The hardware realizes any one of 31 time slot any time slot optional (valid when framed), 1-32 can choose any open slots
- Have three Loop Back Mode: E1 interface Loop Back (ANA)、 V.35 interface Loop Back(DIG)、 Command the remote V.35 interface Loop Back(REM)
- Have pseudo random code test function, easily line opened, can be used as a 2M BER Tester
- AC 220V, DC-48V, DC+24V, DC Power and Polarity-Free
- FE1 fiber modem can use with V.35 fiber modem, that can save a G.703/V.35 converter

Application



Technical Indexes

Parameter	Specification
Fiber	
Multi-mode Fiber	
Fiber Type	50/125um, 62.5/125um
Maximum transmission distance	5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)Wave Length: 820nm
Wavelength	820nm
Transmitting power	-12dBm (Min) ~-9dBm (Max)
Receiver sensitivity	-28dBm (Min)

Link budget	16dBm
Single-mode Fiber	
Fiber Type	8/125um, 9/125um
Maximum transmission distance	120Km
Transmission distance	0~120Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)
Wavelength	1310nm/1550nm
Transmitting power	-9dBm (Min) ~-8dBm (Max)
Receiver sensitivity	-27dBm (Min)
Link budget	18dBm
E1 Interface	
Interface Standard	comply with protocol G.703
Interface Rate	n*64Kbps±50ppm
Interface Code	HDB3
E1 Impedance:	75Ω (unbalance), 120Ω (balance)
Jitter tolerance	In accord with protocol G.742 and G.823
Allowed Attenuation	0~6dBm
Power	
Power supply	AC180V ~ 260V; DC - 48V; DC +24V
Power consumption	≤5W
Dimension	
Product size	216X140X31mm(WXDXH)
Simple packaging	274X193X84mm(WXDXH)
Piece weight	1.25KG
Working environment	
Working temperature	-10°C ~ 50°C
Working Humidity	5%~95 % (no condensation)
Storage temperature	-40°C ~ 80°C
Storage Humidity	5%~95 % (no condensation)