1E1 Optical Modem Datasheet

1. Overview

FES50 provides one 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. When in framed mode, continuous or discontinuous time-slot can be selected. The device has inter-set loop test function to facilitate the project launching and daily maintenance. It is widely used in voice and data application field.
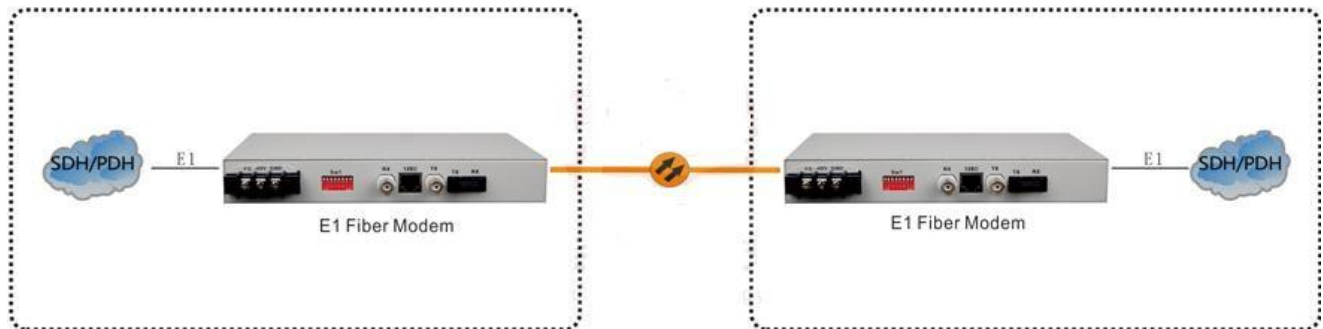
The circuit part of the equipment is fully digitized. The whole equipment is reliable, stable, easy to install and maintain.

2. Features

- Providing 1E1 channels.
- E1 can support Unframed E1 and framed E1
- Fiber port bit rate: 150Mbps, up to 120Km distance without repeater.
- E1 Line code: HDB3, compliant to G.703, G.823 and G.742.
- E1 interface, 75 ohm (unbalanced) and 120 ohm (balanced) optional.
- 220VAC or –48VDC Power Supply

3. Typical Application

4. Order Information :

FES50-1E1-S022CA : 1E1 over 2 Fibers Optical Modem, E1 support both framed E1 and Unframed E1, 2 Fibers Single Mode 20km, SC Connector, 220VAC Power Supply, Desktop Unit

FES50-1E1-S042CA : 1E1 over 2 Fibers Optical Modem, E1 support both framed E1 and Unframed E1, 2 Fibers Single Mode 40km, SC Connector, 220VAC Power Supply, Desktop Unit

FES50-1E1-W022CA :1 E1 over 1 Fiber Optical Modem, E1 support both framed E1 and Unframed E1, Single Fiber Single Mode 20km, SC Connector, Desktop Unit, 220VAC Power Supply

FES50-1E1-W023CA: 1 E1 over 1 Fiber Optical Modem, E1 support both framed E1 and Unframed E1,Single Fiber Single Mode 20km, SC Connector, Desktop Unit, 220VAC Power Supply

Note: FES50-1E1-W022CA and FES50-1E1-W023CA should be used in pair.

Remark:
1. Support both 1 Fiber and 2 Fibers
2. Support maximal 100km by 1 Fiber and 120km by 2 Fibers
3. AC+DC Dual Power Supply Redundancy is optional
4. 1U 19"Rackable Unit is optional