

FT-E1C04 Compact Optical Multiplexer

Features

- Advanced and compact design that performs E1 multiplexing & de-multiplexing and provides a 16.896Mbit/s optical interface in a single unit.
- Built-in AC/DC or DC/DC converter and supervisory microprocessor
- Digital clock data recovery for E1 signal
- Provides visible and audible alarm indication
- Low power consumption
- Order wire channel for end to end installation and maintenance
- Auxiliary data channel in optical line code
- Centralized network management with the NMS
- High reliability
- Flexible installation in various mechanical constructions. Technical Specification

◆ Electrical (E1 interface)

Channel capacity: 4 channels
Bit rate: 2.048Mbps \pm 50ppm
Line code: HDB3
Nominal impedance: 75 Ω unbalanced / 120 Ω balanced
Jitter character: ITU-T G.742,G.823 compliant

◆ Optical

Bit rate: 16.896 Mbit/s
Line code: 1B1H
Optical source: LD
Transmitter power: \geq -9dBm
Receiver Type: PINFET
Receiver sensitivity: \leq -40dBm (BER \leq 10⁻¹¹)
Wavelength: 1310 / 1550nm
Optical connector: FC/SC

◆ Environment:

Power input: AC/DC optional
Power consumption: \leq 5W
Temperature: -5 $^{\circ}$ C ~ +40 $^{\circ}$ C for operation
 -20 $^{\circ}$ C ~ +60 $^{\circ}$ C for storage & transport
Humidity: 10% ~ 90% RH non-condensing No corrosive and solvent Gas, no fluty dust and intense magnetic-field interference

◆ Physical

Standalone compact (19"/2)
Dimension: 220mm(width) \times 43.5mm(height) \times 150mm(depth)
Weight: 1.0 kg
Rack type: EIA 19"
Standalone (19")
Dimension: 440mm(width) \times 43.5mm(height) \times 150mm(depth)
Weight: 1.2 kg
Rack Type: EIA 19"
Rack Mount (19")
Dimension: 483mm(width) \times 266mm(height) \times 225mm(depth)
Weight: 12 kg (full deploy)
Rack Type: EIA 19"

