



## **E1 to 4 Ethernet Protocol Converter**



### **Features**

E1/Ethernet converter complies with international standard at each layer (G.7041, G.7042, G.7043, G.8040). The EOP E1/Ethernet converter is able to intercommunicate with devices from other factories following the same standard protocols. The device not only offers perfect alarm/status indicator for E1 and Ethernet, but with advance management function such as Ethernet data stream statistics etc. This EOP E1/Ethernet converter is with high integration, low consumption, stable capability and easy employ.

### **Technology Characteristics**

- > Comply with ITU-T standard protocol
  - GFP-F encapsulation scheme: G.7041
  - Virtual concatenation (VCAT) and link capacity adjustment scheme (LCAS): ITU-T G.7042
  - Ethernet mapping to nxE1 scheme G.7043
  - Ethernet mapping to E1 scheme: G.8040
- > Support 4 10M, 100M and full/half duplex Ethernet interface, support parallel and across Ethernet cable, support intercommunicate between 4 Ethernet and VLAN division, support VLAN transparent transmission under intercommunication status.
- > Support E1 circuit loop back test function
- > Support network management function, able to supervise the working and device status.
- > Support local data filter function

## Interface Parameters

### E1 Interface:

- > HDB3 code
- > Coding rate: 2048Kbps±50ppm
- > 75Ω physical interface user BNC coaxial connector, 120Ω physical interface use RJ45 connector

### Ethernet Interface:

- > Rate: 10Mbps or 100Mbps
- > Interface type : RJ45

## General characteristics

- > Dimension: 220\*175\*35 mm
- > Net weight : 1000g
- > Power : 220V±20%, -36 ~ -72V
- > Power consumption: <5W
- > Environment temperature: 0°C-50°C



