



◆ Mini-compact SDH / MSTP

➤ Features

- 19" rack mountable, 1U height compact size
- System supports point-to-point, chain and ring network applications
- Gigabit Ethernet to STM-1 conversion, data rate up to 63 x VC12
- STM1 / STM-4 and n x E1 co-working simultaneously as network uplinks
- System supports 2 x STM-1, or 2 x STM-4 optical ports as ring protection
- Ethernet supports 4 x GE electrical ports or 3 x GE electrical ports plus 1 x GE optical port
- Order-wire channel for point-to-point and point-to-multipoint voice communication
- Sophisticate configurable system protection with SNCP network protection and 1+1 interface protection
- In-band management channel for remote control and system management
- Two expansion slots for E1 or various data or voice modules
- Alarm relay is provided for external alarm facility connection
- Remote firmware and software upgrade is available
- Redundancy power supply is supported with any combination of the power supply unit



➤ Introduction

SDH-8E1-4ETH is a new generation, enhanced SDH/MSTP device. It is a carrier-class, high compact platform and aimed for metro and SDH networks access. It can work as Add-Drop Multiplexer (ADM), Termination Multiplexer(TM), and also as a Gigabit Ethernet to SDH converter.

SDH-8E1-4ETH extremely strong cross-connection ability, it supports 64K up to low / high order of SDH cross-connection. Not only the STM-1 / STM-4 optical port can work as the network uplink, it can also configure the n x E1 ports as the network uplink simultaneously. The co-working optic and E1 network uplinks provides customer a very flexibly networking configuration.

Any combination of AC, DC dual power is supported, and equipped on a 1U height, 19 inches width rack mountable casing. Such powerful cross connect switch, flexible networking, link protection and redundancy power supply, various voice / data services which make SDH-8E1-4ETH the most function rich, reliable and cost effective solution for seamlessly migration of the E1 TDM network onto the SDH network.

➤ Specification

Optical Interface

Bit rate	155Mbps ±50ppm or 622Mbps ±50ppm
Output optical power	≥-15dBm
Receiving sensitivity	≤-35dBm
Optical wavelength	1310nm/1550nm
Optical interface connector	SFP/LC

E1 Interface

Bit Rate	2048Kbps ± 50ppm
Code type	HDB3 code, G.703 standard
Input impedance	75Ω (default) or 120Ω (optional)
Frame structure	G.704, G.706
Compression law	to G.711
Level	±2.37V±10%

ETH Interface (10/100/1000M)

Interface rate	10/100/1000Mbps, auto
Standard	IEEE 802.3, IEEE 802.1Q (VLAN)
Connector	RJ45

Order Wire Phone

Use standard 2-wire phone set

Channel	1
Coding	PCM
Bandwidth	64Kbps
Connector	RJ11
Input voltage	-48VDC and/or 220VAC
Voltage range	-36VDC ~ -81VDC, 165VAC~265VAC
Power consumption	<10W
Dimension	440mm(W) x250mm(D) x 44mm(H)
Weight	4Kg
Operating temperature	-10 °C ~ 50°C
Humidity	5% ~95% (no condensation)
Warranty	3years

➤ Order information

Model NO.

Description

SDH-4ETH	4-port 10/100/100M Base-T(x) SDH, DC48V or AC220V
SDH-4E1-4ETH	4-port 10/100/100M Base-T(x)+4E1 SDH, 75 or120ohm ,DC48V or AC220V
SDH-8E1-4ETH	4-port 10/100/100M Base-T(x)+8E1 SDH, 75 or120ohm ,DC48V or AC220V
SDH-16E1-4ETH	4-port 10/100/100M Base-T(x)+16E1 SDH, 75 or120ohm ,DC48V or AC220V

➤ Application

