



BD-EOS-GE/STM-1 STM-1 üzerinden Gigabitethernet taşınması

Genel

GigabitEthernet / STM-1 Çevirici, SDH şebeke üzerinden Gigabitethernet broadband data serilerini taşımaya yarar. Karşılıklı çift olarak çalışır. STM-1 / GE arayüz dönüştürücü olarak da adlandırılan BD-EOS-GE/STM-1 üzerinde 2 adet optik STM-1, 2 adet optik GE, 2 adet de elektriksel gigabit ethernet arayüzü bulunur. ITU-T ve ilgili SDH standartlarına uygun olarak tasarlanmıştır. STM-1 (155Mbit) üzerinden GE datasını taşıırken, SDH container 'larını kullanır. STM-1 ve GE arayüz yuvalarına SFP modül takılarak çalıştırılır. 1U yüksekliğindedir ve 19" racka uygundur.



Teknik Özellikler

STM-1 Optical interface

Optical interface speed: 155520kbit/s (STM-1, G.957, frame structure G.707)
 Interface code type: According to the codes stipulated in G.957
 Digital signal: Accord to G.707 and G.958
 Light source: LD
 Output optical power $\geq -9\text{dBm}$
 Receiver type PINFET
 Receiving sensitivity $\leq -35\text{dBm}$ (BER $\leq 10^{-11}$)
 Optical connector type LC
 Central wavelength 850 1310/1550 nm (depending on optical module)
 Optional transmission distance 0~40km (40~120km, to be customized)

Ethernet interface

Electric UTP type

User type: 10 /100/1000M Base-T
 Port specification: Accord to IEEE802.3 10/100/1000M Base-T/FL
 Transmission code rate 1000Mbps

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Optical

Port type	SFP
Port specification	Accord to IEEE802.3 1000Base-LX/SX
Transmission code rate	1.25Gbps
Optical connector type	LC

Power supply

Input voltage	DC-48V
Voltage fluctuation	-36VDC ~ -72VDC
Input voltage	AC220V 50HZ
Voltage fluctuation	185V ~ 265V
Power consumption	< 30W

Mechanical parameters

Standalone type (19"):	
Dimensions	440mm(W) × 43.5mm(H) × 227mm(D)
Weight	< 4.0 kg
Rack type	EIA 19" rack

Environment requirements

The complete device is able to work in a wide range of environmental temperature and operate normally and steadily in environmental extremes.

Working temperature -5°C ~ +40°C

Storing temperature -25°C ~ +55°C

Relative humidity ≤ 85% (30°C)

Air pressure 70 ~ 106 kpa

No corrosive and solvent gas, and free from flying dust and magnetic-field interference.

Uygulaması



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