





**Compliance:**

G.703	Provides one standard STM-1 electrical interface complying with G.703
G.707	Network node interface for the synchronous digital hierarchy (SDH)
G.781	Structure of Recommendations on equipment for the Synchronous Digital Hierarchy (SDH)
G.782	Types and characteristics of Synchronous Digital Hierarchy (SDH) equipment
G.783	Characteristics of Synchronous Digital Hierarchy (SDH) equipment functional blocks
G.813	Timing characteristics of SDH equipment slave clocks (SEC)
G.825	Control of Jitter and Wander within Digital Networks Which are Based on the Synchronous Digital Hierarchy (SDH)
G.957	Provides one standard STM-1 optical interface complying with G.957
G.958	Digital line systems based on the Synchronous digital hierarchy for use on optical fiber cables

**Specifications:****STM-1 electrical interface**

Data Rate	155520 kbit/s
Signal	STM-1e (STM-1 electrical) signal as per ITU-T G.703
Signal attenuation	12.7dB
Frame Structure	As per ITU-T G.707

**STM-1 optical interface**

Data Rate	155520 kbit/s (STM-1 optical)
Optical Signal	STM-1o (STM-1 optical) signal as per ITU-T G.957, G.958
Frame Structure	As per ITU-T G.707
Laser type	Class 1 Laser
Output optical power	≥ -9dBm (standard), Other power output options available upon request)
Receiving sensitivity	≤ -35 dBm (BER ≤ 10 <sup>-11</sup> )
Optical connector type	FC (option 1), SC (option 2)
Central wavelength	850 nm / 1310 nm / 1550 nm (optional as per purchase order)
Optical transmission Distance	0~40 km (40~120 km optional) with standard 1310 nm SM optical interface

## Mechanical Specifications

Rack Mounting	Standard 19 Inch. DIN Rack
Height	43.5 mm.
Depth	227 mm.
Width	440 mm.
Weight	4.0 kg

## Power Supply

Input voltage	DC - 48V (range - 36V DC ~ - 72V DC)
Power consumption	20 W

## Environmental

Temperature	- 5°C ~ +55°C for operation - 40°C to +70°C for storage
Humidity	5% to 95% (35°C)

Technical specification are subject to change without notice.

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### ORION TELECOM NETWORKS INC.

16810, Avenue of Fountains, Suite # 108,  
Fountain Hills, AZ 85268, U.S.A.

**Phone:** +1 (480) 816 8672 **Fax:** +1 (480) 816 0115

**E-mail:** sales@oriontelecom.com **Website:** <http://www.oriontelecom.com>