



Fiber to E1 Dual Power Media Converter

CM-UM-E101-0011



Product Description

The Fiber to E1 Dual Power Media Converter enables seamless and reliable data transmission between fiber optic and E1 interfaces. Fully compliant with ITU-T V.35, G.703, and G.704 standards, it supports single-mode fiber for distances up to 40 km, dual impedance options (75Ω/120Ω), and three loopback modes for efficient line testing. With flexible AC/DC power compatibility and built-in error detection, this versatile converter is ideal for modern telecommunications and networking applications.



E1 Interface

Interface Standard	ITU-T G.703
Data Rate	2.048 Mbps
Line Coding	HDB3
Impedance	75Ω (unbalanced), 120Ω (balanced)
Jitter Tolerance	Complies with G.742 and G.823
Allowed Attenuation	0~6dBm

Fiber Interface

Connector	Single mode fiber - SC connector
Fiber Type	8/125μm, 9/125μm
Maximum Transmission Distance	40km
Wavelength	1310nm
Link Budget	18 dBm

Power

Power Input	220VAC -48VDC 24VDC
Self Consumption	5W

Environmental Standards

Storage Temperature	-40°C to 80°C
Operating Temperature	-10°C to 50°C
Humidity Tolerance	5% to 95%

Physical Properties

Weight	2500g
Case Material	Aluminum
Dimensions (H x D x W)	45mm x 150mm x 490mm
Mounting	19" 1U rack mount

Any questions?

Visit our website at:
www.verdelon.com

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