

## eLYTE 2 Wire POTS Single Mode Adapter Specification\*

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<b>Transmission Method</b>	Pulsed 10MHz Carrier via two optical fibers
<b>Interface type</b>	1x9 modules capable of Multi-Mode(MM) or Single-Mode(SM) in a variety of wavelengths. Dependent on customer requirements.
<b>Maximum Fiber Loss / Distance**</b>	Transmit power is dependent on 1x9 Module selected as per receiver sensitivity, for example. MM step index 14dB / 2.3 to 3.5km @850nm MM graded 14dB / 4.6km @ 850nm 14km @ 1300nm SM 26dB / 65km @ 1310nm 104km @ 1550nm
<b>Fiber Type</b>	Dependent on customer requirements MM or SM
<b>Fiber Connector Type</b>	Variety of interface connections types. for example ST/SC/FC
<b>Wire Connector</b>	Screw Clamp, 12-26 AWG
<b>Power requirements</b>	18 – 36 VDC, 180mA maximum***
<b>Operating Temperature</b>	-40°C +70°C, 95% non condensing
<b>Card Dimensions</b>	100mm x 85mm
<b>Compliant Approvals</b>	EN60950 Safety EN55022 EMC

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\* Specifications are primarily for the Glass fiber requirements, Specifications for Plastic fiber interface is as per eLYTE POTS specification.

\*\* Fiber range dependent on installed fiber stock and number of interconnects between transmitter and receiver.  
MM step index fiber is typically 4 to 6dB/km @850nm  
MM graded index fiber is typically 3dB/km @850nm  
1dB/km @1300nm  
Typical Fiber attenuation for 9/125um SM fiber is approx. 0.25dB/km @1550nm.  
0.40dB/km @1310nm.  
Typical fusion splice attenuation is up to 0.1dB.

\*\*\* Power supply specs can be altered to suit customer requirements