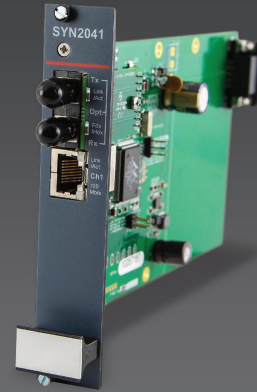


# SYN2041 10/100Base-T to 100Base-Fx Bridge Type Media Converter

Ideal for Oil & Gas and  
Industrial sites



Any network utilizing a mix of copper and fiber.

## Features

- Complies with the IEEE 802.3 standard
- Supports network traffic of 10 or 100Mbps
- Automatic TP setup: no need for crossover cables
- Auto-sensing of half or full duplex operation
- Automatic setup for 10 or 100Mbps on copper side
- Available for operation over 1 or 2 fibers
- Powered by non critical 12VDC or 24VAC supplies
- Operates over the temperature range of -20 to +75°C

## Options

- Singlemode
- Multimode
- Single or dual fiber
- Available as card or module
- ST or SC optical connectors

# Specifications

## ENVIRONMENTAL

Operating Temperature	-20°C to +75°C
Relative Humidity	0 to 95% non-condensing

## MECHANICAL

Card Dimensions (W x D x H)	25 x 208 x 100 mm / 0.98" x 8.19" x 3.94"
Module Dimensions (W x D x H)	60 x 94 x 26 mm / 2.36" x 3.70" x 1.02"
Card Weight	0.3 kg / 0.66 lbs
Module Weight	0.3 kg / 0.66 lbs

## ELECTRICAL

Power Requirements	+8V to 35Vdc or 22 to 28Vac @ 3VA
Power Connector	DB9 connector on card 2 way terminal block on module
Chassis Current Consumption (CCC)	0.25 Amp
Data Connector	RJ45
Data Interface	IEEE 802.3 Ethernet
Data Rate	10 / 100Mbps
Operating Mode	Half or full duplex

## OPTICAL

Optical Interface	100Base-Fx
Optical Connectors	ST or SC (Dual fiber operation) SC (Single fiber operation)
Fiber Required	
Standard SM / MM Optical Link Budget	>18dB: >10km on multimode fiber @ 1310nm >40km on singlemode fiber @ 1310nm
Optional SM Optical Link Budget	>33dB: >100km on singlemode with 0dBm 1550nm transmitter
Optional MM Link Budget	>13dB: >5km on multimode fiber (Option LP only)
Transmitter Wavelength	1310nm
Transmitter Optical Power	-12 to -4dBm into singlemode fiber -10 to -1dBm into multimode fiber -19 to -10dBm into multimode fiber (OSD2041LP only)
Receiver Sensitivity	<-33dBm
Receiver Saturation	>-2dBm

## INDICATORS

Indicators	TP activity TP link speed Fibre link OK Fibre link activity
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### Synectics

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Specifications subject to change. E & OE.

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MANUFACTURER OF



CAMERA STATIONS

Literature Reference:  
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