

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 |
|------------|--|

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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