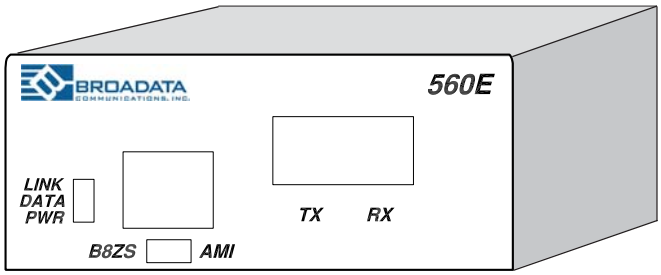
# 560E

*Fiber Optic T1/E1 Data Modem*

T1 ↔ 1 or E1 ↔ 1

*"T1 or E1 Modem"*




***"Our data network products are diversified, reliable, and economical."***

**Applications**

T1/E1 Line Extension

PBX and/or Channel Bank Links

Connections between CSU/DSU and Customer Premises Equipment

**Features**

Supports AMI/B8ZS/HDB3 Line Codes

***1 Fiber Solution also Available (WDM)***

The 560E Series is a high performance Fiber Optic T1/E1 Data Modem. The standard 560E system is designed to transport one (1) channel T1 or E1 data signal over long distance, through one or one pair of singlemode or multimode fibers. The 560E units support AMI/B8ZS/HDB3 line code formats, and provide signal reconstruction and re-clocking with jitter attenuation. Many versions of optical transmitter and receiver combinations are available to address different distance requirements.

The 560E is available with two packaging options: a rugged, standalone, and compact unit, or a plug-in card for a card cage system. Panel connectors are provided for T1/E1 data (RJ45 connector) and fiber connection (SC-type for both singlemode and multimode versions). The 560E can be easily monitored by LED indicators for power, optical link, and channel activity. The standalone units are powered by +12 VDC and are robust against ambient environmental conditions.

The 560E design is capable of addressing a variety of non-standard configurations. Contact us to discuss your custom, OEM/private brand and high volume requirements.

BROADATA COMMUNICATIONS, INC.

*Doing More With One Fiber*

2545 W. 237th St., Torrance, CA 90505 • Phone:(800) 214-0222 • Fax: (310) 530-5958 • Email:broadata@broadatacom.com • http://www.broadatacom.com

# 560E

*Fiber Optic T1/E1 Data Modem*

**Network Data Transmission Systems**

## Electrical

| | |
|---|---|
| Signal Format | T1 or E1 (G.703) |
| Data Rate | 1.544 Mbps (T1)<br>2.048 Mbps (E1) |
| Bit Error Rate | $< 10^{-9}$ |
| Connector | RJ45 |

## Physical

| | |
|---|---|
| Dimension: (H x W x D) | |
| Standalone unit | 1.72" x 4.36" x 6.90" |
| Card-cage plug-in card | 5.24" x 0.94" x 11.6" |
| Power Level | 12VDC @ 0.8 A<br>(with ext. power) |
| Power Connector | 2.5mm Jack (with ext. power) |
| Operating Temperature | 0 to +50°C<br>(extended range is also available) |
| Humidity | 0 to 95% RH, non-condensing |
| Status Indicators | Power, Optical Link,<br>Data Activity |

## Optical

| | |
|---|---|
| Fiber Type | Multimode and Singlemode |
| Number of Fibers | 2 or 1 |
| Wavelength | 1310 and/or 1550 nm |
| Fiber Optic Connector | SC (Multimode)<br>SC (Singlemode) |

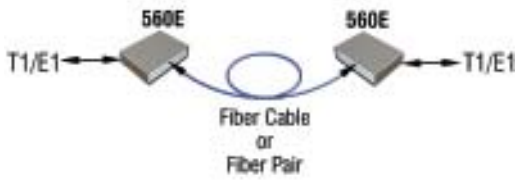
### Typical Power Budget and Transmission Distance

| Application | Power Budget (1) | Typical Distance KM (2) | Typical Distance Miles (2) |
|---|---|---|---|
| Multimode Fiber | 12 | 2 | 1.2 |
| Singlemode Fiber | 26 | 40 | 25 |
| Singlemode Long Distance | 26 | 60 | 37.5 |

(1) These are typical values for the 560E Series. The actual values may vary.

(2) These are typical distance coverage figures. The maximum distance coverage may be greater than these typical numbers, depending on fiber type, fiber bandwidth, connector splicing losses, chromatic dispersion, environmental factors, etc.

## Applications

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*Subject to continued product enhancement, we reserve the right to change the above specifications and description without notice.*

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