

www.GESecurity.com

S711D

Two-Way Multiprotocol Data

Overview

The S711D data transceiver provides two-way transmission of multiprotocol data over one or two multimode fibers.

Data Translation

The S711D also features the unique data translation function that allows input of one data format and output of a different format. Data formats are selected during installation and can be easily changed in the field via rotary switch.

Superior Diagnostics

The SMARTS™ diagnostic technology provides an extensive array of system status LEDs. The integrity of the data paths can be tested with a built-in data transmission test generator. It is not necessary to connect to an external data device.



Standard Features

- **Two-way data transmission over one or two multimode fibers**
- **Supports multiprotocol data formats including RS-232, TTL, RS-422, RS-485, Manchester, Biphase, and SensorNet**
- **Unique data translation function**
- **User-configurable data format**
- **18 dB optical budget**
- **Optical AGC**
- **SMARTS™ diagnostics**
- **Standalone and rack configurations**

S711D

Two-Way Multiprotocol Data

Specifications

Data

- Channels: 1 duplex
- Formats: RS-232 (3-wire/5-wire), TTL, RS-422, RS-485 (2-wire/4-wire), Manchester, Biphase, SensorNet, DTMF control
- Baud Rate: 250 kbps to 512 kbps (depending on data format)
- Bit Error Rate: <1.0E-9

Optical

- Mode: Multimode
- Optical Budget: 18 dB
- Emitter: LED or Laser
- Wavelength: 850 nm and/or 1300 nm (depending on model)
- Operating Distance: Up to 15 mi (25 km) (depending on model)
- Transmitter Launch Power: -14 dBm
- Receiver Sensitivity: -32 dBm
- Gain Control: Optical Automatic Gain Control (OAGC)

Electrical

- Input Power: 12 - 16 VAC or 13.5 VDC regulated (standalone); 13.5 VDC regulated (rack)
- Current Requirement: 350 mA
- Power Consumption: 5 W
- Power Factor: 3
- Protection: Solid-state short circuit protection
- Power Supply: Model 610P (AC) or Model 613P (DC) (optional)

Environmental

- Operating Temperature: -40 to 167 °F (-40 to 75 °C)
- Maximum Humidity: 95% relative, noncondensing

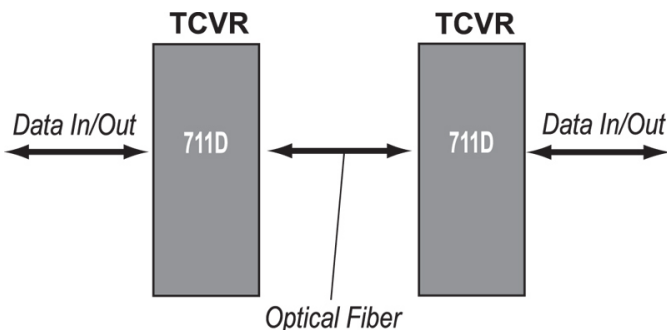
Standards

- Emissions: FCC Part 15, ICES-003, AS/NZS 3548, EN55022
- Immunity: EN50204, EN61000-4-2, -3, -4, -5, -6, -11
- Safety: UL 1950, CAN/CSA 22.2, NO. 950-95
- Laser Safety: 21CFR1040, EN60825-1, -2

Mechanical

- Dimensions (LWD, Standalone Units): 5.0" x 2.8" x 1.5"
- Dimensions, Rack Units: 1 slot (1.0")
- Weight: Standalone 0.22 lbs (0.1 kg); rack 0.55 lbs (0.25 kg)
- Construction: Plastic (standalone); Aluminum (rack)

Related Diagram



Ordering Information

Use the Configurator below to select the options available for this product.

Product Type	Enclosure	No. of Fibers	Optical Wavelength
T Transmitter	E Standalone	1 1 Fiber	Add L here only if ordering
R Receiver	R Rack Card	2 2 Fibers	High Order Wavelength
Omit for Transceiver		(Transceiver only)	(2-Fiber Transceiver only)

S711D - ST



Mailing Address
4575 Research Way, STE 250
Corvallis, OR 97333 USA
www.GESecurity.com

Americas
800-469-1676 (US only)
tel 541-754-9133
fax 541-754-7162

Asia
tel 852-2907-8108
fax 852-2142-5063

Australia
tel +61-3-9676-0270
fax +61-3-9646-7005

Europe
tel +44-113-238-1668
fax +44-113-253-8121

Latin America
tel 305-267-4301
fax 305-267-4300

www.GESecurity.com