

## Overview

The Two-Way F2F Data links are specifically designed to support two-way transmission of Csi F/2F data and one relay/contact closure channel. S711F2F models feature multimode operation, while S7711F2F models operate over single mode fibers.

## Rack Card Features

The S711F2F models also feature hot-swappable rack cards and solid-state short circuit protection

## Superior Diagnostics

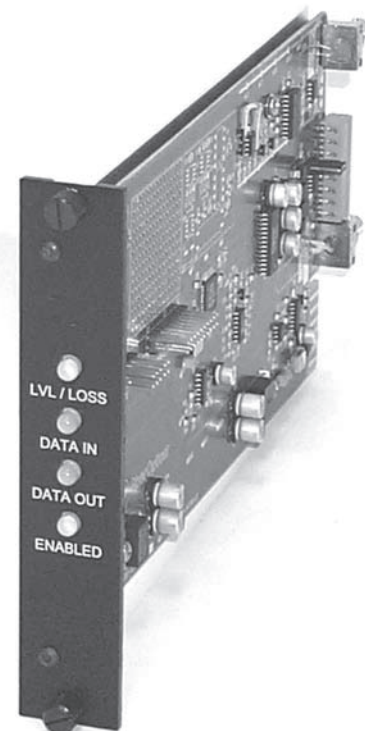
The SMARTS™ diagnostic technology provides an extensive array of system status LEDs that monitor the status of the data and optical signals.

## Standard Features

- Two-way data transmission
- Single and multimode models available
- Supports GE Security supervised F2F data format
- Includes one bidirectional relay/contact closure channel
- Standard 18 dB optical budget; higher budgets available
- Optical AGC
- SMARTS™ diagnostics
- Rack only configuration

# Two-Way F2F Data

S711F2F and S7711F2F



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T 888-GE-SECURITY  
888-(437-3287)  
F 561 998 6224

Canada  
T 519 376 2430  
F 519 376 7258

Asia  
T 852-2907-8108  
F 852-2142-5063

Australia  
T 61-3-9239-1200  
F 61-3-9239-12999

Europe  
T 32-2-719-9847  
F 32-2-719-9846

Latin America  
T 305-593-4301  
F 305-593-4300

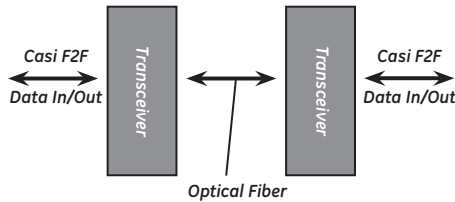
www.gesecurity.com

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## Specifications

Data	S711F2F (Multimode)	S7711F2F (Single Mode)
Channels	1 duplex	
Format	GE Security supervised F/2F	
Bit Error Rate	<1.0E-9	
Relay/Contact Closure	1 duplex channel	
Relay/Contact Rating	0.5 A at 30 VDC	
<b>Optical</b>		
Mode	Multimode	Single Mode
Optical Budget*	18 dB	
Emitter	LED	Laser
Wavelength	850 nm and/or 1300 nm	1310 nm and/or 1550 nm (depending on model)
Operating Distance**	Depends on data limitations (Contact Casi for operating distance specifications)	
Transmitter Launch Power	-14 dBm	-15 dBm
Receiver Sensitivity	-32 dBm	-33 dBm
Gain Control	Optical Automatic Gain Control (OAGC)	
<b>Electrical</b>		
Input Power	13.5 VDC regulated	
Current Requirement	350 mA	
Power Consumption	5 W	
Power Factor	3	
Protection	Solid-state short circuit protection	
<b>Environmental</b>		
Operating Temperature	-40 to 167 °F (-40 to 75 °C)	
Maximum Humidity	95% relative, noncondensing	
<b>Mechanical</b>		
Dimensions	1 slot (1.0")	
Weight	0.55 lbs (0.25 kg)	
Construction	Aluminum	

## Related Diagram



### AGENCY COMPLIANCE

**FCC** PART 15 COMPLIANT   US

### MADE IN THE USA

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

## Ordering Information

Use the Configurators below to select the options available for these products.

### S711F2F -RST

Product Type	No. of Fibers	Optical Wavelength
<b>T</b> Transmitter <b>R</b> Receiver Omit for Transceiver	<b>1</b> 1 Fiber (Transmitter and Receiver only)	Add <b>L</b> here only if ordering High Order Wavelength (2-Fiber Transceivers only)
	<b>2</b> 2 Fibers (Transceiver only)	

### S7711F2F -RST

Product Type	No. of Fibers	Optical Wavelength
<b>T</b> Transmitter <b>R</b> Receiver Omit for Transceiver	<b>1</b> 1 Fiber (Transmitter and Receiver only)	Add <b>L</b> here only if ordering High Order Wavelength (2-Fiber Transceivers only)
	<b>2</b> 2 Fibers (Transceiver only)	

\* Optical Budget based on 62.5 μm fiber, for 50/125 μm fiber subtract 3 dB.

\*\* Operating distance is approximate and assumes best fiber. It will be affected by the type and number of splices in the fiber. Refer to update No. TB00-005, which can be found at www.gesecurity.com

As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GESecurity online at www.GESecurity.com or contact your GE Security sales representative.  
S711F2F-2006-09-2



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