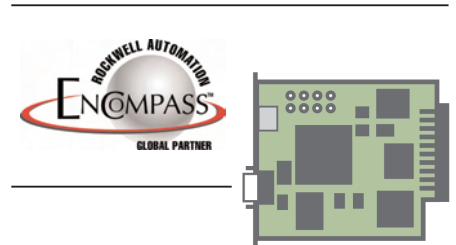
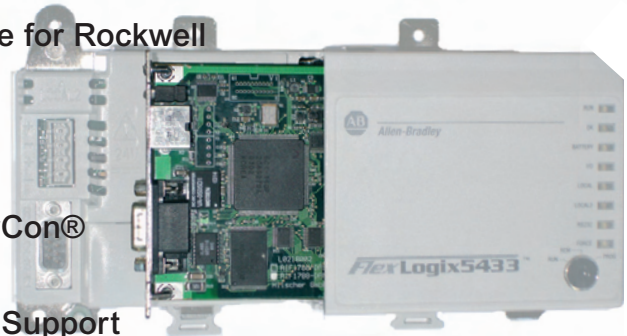


# RIF 1788 – PROFIBUS Interface for FlexLogix™ / DriveLogix™



## Proven PROFIBUS Technology for FlexLogix and DriveLogix Controllers

- PROFIBUS Certified Interface for Rockwell Automation® FlexLogix & DriveLogix Platforms
- Master or Slave Modules
- Simple configuration with SyCon®
- RSLogix™ Sample Files
- PROFIBUS DPV0 and DPV1 Support



### PROFIBUS Interface

The RIF 1788 module expands the functionality of Rockwell Automation's FlexLogix/ and DriveLogix family of processors to include PROFIBUS. These modules support both I/O control and messaging, thus integrate DPV0 and DPV1 functionality into the FlexLogix and DriveLogix Platforms.

These modules are based on the same technology that is used in our PC Cards and embedded modules. With these RIF interfaces, you obtain proven technology.

Hilscher is an active participant of the Rockwell Automation Encompass Program and has developed the RIF 1788 PROFIBUS modules with licenses and technology from Rockwell Automation.

# RIF 1788 – Technical Information

## Information

The RIF Modules are available in the following versions:

RIF 1788-DPM	PROFIBUS-DP Master
RIF 1788-DPS	PROFIBUS-DP Slave

(Master = Scanner      Slave= Adaptor)

Each module is equipped with LEDs to display communication and device status. The RIF interface appears to the Logix Controller as a standard I/O module and can be used with Rockwell Automation's RSLogix5000™ software. Complete program examples for simple and quick start-up are available that include I/O and messaging functions.

## Configuration

The Configuration for the RIF 1788 PROFIBUS Master is done with our configuration tool SyCon. The configuration is transferred via the serial diagnostic interface and stored in the FLASH memory of the RIF 1788 card.

A GSD file is supplied to integrate the RIF 1788 PROFIBUS Slave into the configuration tool of any PROFIBUS Master. The PROFIBUS address can be set by rotary switches on the front of the card. The Slave configuration can be either transferred from the PROFIBUS Master to the RIF 1788-DPS or can be defined by the Host PLC in the Logix application.

## Related Products

PROFIBUS for CompactLogix/MicroLogix  
Windows Driver for SoftLogix 5800

## Product Overview

RIF	Fieldbus
RIF 1788-DPM*	PROFIBUS-DP Master
RIF 1788-DPS*	PROFIBUS-DP Slave

\* SyCon is included with each card

## Technical Data

### RIF 1788-DPM PROFIBUS-DP Master

Slaves	max. 125
Input data	max. 496 Byte
Output data	max. 492 Byte
Connections	max. 32 DPV1 Slaves
Acyclic data	DPV1 Read/Write

### RIF 1788-DPS PROFIBUS-DP Slave

Input data	max. 244 Byte
Output data	max. 244 Byte

### Processor

EC1-160P, 16 Bit

### Memory

DPM/FLASH/RAM 8 KByte/512 KByte/256 KByte

### PROFIBUS Interface EN 50 170

Controller	ASPC2 integrated in EC1-160P
Transmission rate	9,6 kBit/s to 12 MBit/s
Interface	RS485 isolated
Connector	DSub-female connector 9-pin

### Diagnostic Interface (RIF 1788-DPM only)

Interface	RS232C, 9600 Baud, non-isolated
Connector	PS/2 Mini-DIN connector

### Display

LED      SYS, COM

### Operation elements (RIF 1788-DPS only)

Rotary switches for PROFIBUS station address

### Configuration

RIF 1788-DPM	SyCon
RIF 1788-DPS	by Master or RSLogix™ application

### Operating Voltage

5 V ± 5% / 400 mA

### Operating Temperature

0...+55°C

### Dimension (L x W x H)

87 x 19 x 102 mm

### Weight

approx. 62 g

### CE Sign

Emission	EN 50011 CL.B
Immunity	EN 61000-6-2

### PROFIBUS

PNO Certified

## Headquarters

**Germany**  
Hilscher Gesellschaft für Systemautomation mbH  
Rheinstrasse 15  
65795 Hattersheim  
Phone: +49 (0) 6190 9907-0  
Fax: +49 (0) 6190 9907-50  
E-Mail: [info@hilscher.com](mailto:info@hilscher.com)  
Web: [www.hilscher.com](http://www.hilscher.com)

## Subsidiaries

**China**  
Hilscher Ges.f.Systemaut. mbH  
Shanghai Representative Office  
200010 Shanghai  
Phone: +86 (0) 21-6355-5161  
E-Mail: [info@hilscher.cn](mailto:info@hilscher.cn)

**France**  
Hilscher France S.a.r.l.  
69500 Bron  
Phone: +33 (0) 4 72 37 98 40  
E-Mail: [info@hilscher.fr](mailto:info@hilscher.fr)

**Italy**  
Hilscher Italia srl  
20090 Vimodrone (MI)  
Phone: +39 02 25007068  
E-Mail: [info@hilscher.it](mailto:info@hilscher.it)

**Japan**  
Hilscher Japan KK  
Tokyo, 160-0022  
Phone: +81 (0) 3-5362-0521  
E-Mail: [info@hilscher.jp](mailto:info@hilscher.jp)

**Switzerland**  
Hilscher Swiss GmbH  
4500 Solothurn  
Phone: +41 (0) 32 623 6633  
E-Mail: [info@hilscher.ch](mailto:info@hilscher.ch)

Hilscher Swiss GmbH  
Branch Office East Switzerland  
Embedded Systems  
9444 Diepoldsau  
Phone: +41 (0) 71 737 7575  
E-Mail: [info@hilscher.ch](mailto:info@hilscher.ch)

**USA**  
Hilscher North America, Inc.  
Lisle, IL 60532  
Phone: +1 630-505-5301  
E-Mail: [info@hilscher.us](mailto:info@hilscher.us)

## Distributors

**Australia**  
Fieldbus Specialists  
[www.fieldbus.com.au](http://www.fieldbus.com.au)

**Austria**  
VIPA Elektronik-Systeme GmbH  
[www.elektronik-systeme.psoft.at](http://www.elektronik-systeme.psoft.at)

**Belgium**  
TelereX N.V.  
[www.telereX-europe.com](http://www.telereX-europe.com)

**Brazil**  
SoftBrasil Automacao Ltda.  
[www.softbrasil.com.br](http://www.softbrasil.com.br)

**Czech Republic**  
ZPA-Industry a.s.  
[www.zpaindustry.cz](http://www.zpaindustry.cz)

**Denmark**  
Novotek Denmark A/S  
[www.novotek.dk](http://www.novotek.dk)

**Finland**  
Novotek Finland Oy  
[www.novotek.fi](http://www.novotek.fi)

**France**  
HIGH'COM  
[www.highcom.fr](http://www.highcom.fr)

**Korea**  
CREVIS Co.,LTD  
[www.crevis.co.kr](http://www.crevis.co.kr)

**Netherlands**  
TelereX Nederland B.V.  
[www.telereX-europe.com](http://www.telereX-europe.com)

**Norway**  
AD Elektronikk AS  
[www.ade.no](http://www.ade.no)

**Poland**  
RAControls SP. z o.o.  
[www.racontrols.com.pl](http://www.racontrols.com.pl)

**Russia**  
ProSoft Ltd.  
[www.prosoft.ru](http://www.prosoft.ru)

**Singapore**  
Vector Info Tech Pte Ltd  
[www.vectorinfotech.com](http://www.vectorinfotech.com)

**South Africa**  
Innomatic  
[www.innomatic.co.za](http://www.innomatic.co.za)

**Spain**  
Sistel Control s.l.  
[www.sistelcontrol.com](http://www.sistelcontrol.com)

**Sweden**  
Novotek Sverige AB  
[www.novotek.se](http://www.novotek.se)

**UK**  
Miles Industrial Electronics Ltd  
[www.milesie.co.uk](http://www.milesie.co.uk)