

FG-100 FF to HSE Linking Device

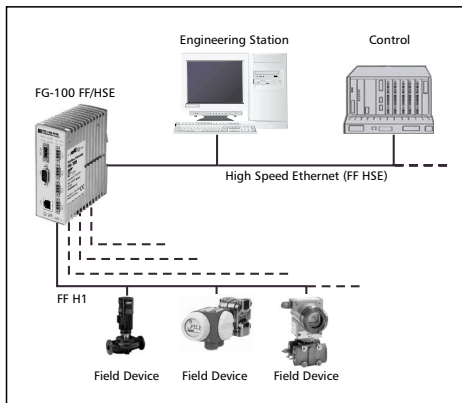
Industrial Automation

FOUNDATION™ fieldbus H1 to High Speed Ethernet Linking Device



The Connection to the Future!

The Softing Linking Device offers all you need to access the field devices connected to the H1 networks from supervisory and control systems as well as management consoles on the High Speed Ethernet. With the Softing gateway, you implement clearly structured topologies in which your central components communicate via Ethernet. The H1 networks are connected through linking devices. Based on TCP/IP, the HSE protocol can be used simultaneously with other protocols.



FG-100 FF/HSE connects up to four H1 links to a HSE network

- Configuration of the connected H1 devices through System Management and Network Management via HSE
- Access to the function blocks on the connected H1 devices via HSE.
- Republishing of process data from one H1 link into another
- Republishing of process data from H1 to HSE and vice versa

In each of the four H1 channels, the gateway can be operated as the Link Master as well as the Time Manager.

Whole Functionality via Ethernet

The FG-100 FF eliminates the need of locally configuring the field devices. You can perform all settings through HSE. All gateway commissioning issues, firmware update and diagnostics are handled by built-in html pages that can be accessed by any web browser.

Standardized FF Ethernet Gateway

With its FG-100 FF/HSE, Softing offers a highly compact gateway between four FF H1 networks and FF HSE. The Softing FG-100 FF complies with Class 42c of the HSE profile and thus offers the following functions:



Hardware	FG-100 FF/HSE
CPU	MPC 857, 100 MHz
RAM	64 MB SDRAM
Flash	8 MB

Fieldbus Interfaces

Supported protocol	FOUNDATION fieldbus H1
Interfaces	4 H1 networks
Connector	■ 3-position screw connection (two-piece) ■ galvanically isolated (transformer)
Transfer rate	31.25 Kbit/s
LED indicators	Power-On, Activity-LED per interface
Functionality	Linking Device according to class 42c of FF HSE profile

Ethernet Interface

Supported protocols	High Speed Ethernet HSE (for configuration: HTTP, FTP)
Ethernet	■ 100BASE-TX/10BASE-T ■ 100 Mbit/s and 10 Mbit/s with automatic recognition
Connector	RJ45

Additional Interface

RS 232	■ 9-pin Sub-D socket ■ Transfer rates 1.2 Kbit/s to 115.2 Kbit/s ■ Galvanically coupled
--------	---

Further Information

Power supply	24 V (±20 %) DC; 0.2 A typ.
Degree of protection	IP 20
Ambient temperature	0°C ... +55°C
Storage temperature	-20°C ... +70°C
Dimensions (W x H x D)	47 x 131 x 111 mm (1.9" x 5.2" x 4.4")
Cooling	Convection, no fan
Mounting	Mounting rail 35 mm

Registration

CE: EN 61000-6-2; EN 61000-6-4; EN 55022 Limit Class A
FCC: Part 15 Subpart B Class A
VCCI: Class 2 Information Technology Equipment 2002
Shock/Vibration: DIN IEC 68 - part 2
UL 508; CSA C22.2 No. 14-M95 Industrial Control Equipment

Scope of Delivery

FG-100 FF/HSE, Installation Manual

System Requirements

Web-Browser for configuration and diagnostics

Softing AG
Industrial Automation
Richard-Reitzner-Allee 6
85540 Haar, Germany

Phone: +49 (89) 4 56 56-340
Fax: +49 (89) 4 56 56-399
www.softing.com
info.automation@softing.com

**Softing
North America, Inc.**
29 Water Street, Suite 301
Newburyport, MA 01950

Phone: +1(978) 499 9650
Fax: +1(978) 499 9654
www.softing.us
info.usa@softing.com