



- 100 Mbps or 1 Gbps
- Multimode or Singlemode
- TEMPEST Level A+ and RÖS U1
- Input Fiber or Copper
- Output Fiber or Copper
- Tamper-proof housing
- Protection against EMC and back channels built into the hardware
- Fits in our different Rack solutions

Data Diode Secure (TEMPEST Level A+ & RÖS U1)

Description

Fibersystem Data Diodes offer a hardware-based, unidirectional communication solution (Simplex) that completely eliminates the risk of data being sent in the wrong direction. With fiber optic links for galvanic isolation, total protection between networks is ensured—whether you are using Ethernet over fiber or copper.

The Data Diodes operate transparently for all types of data and support, among other things, Syslog, NTP Broadcast, SNMP traps, as well as UDP in all forms (Unicast, Broadcast, Multicast, Multicast). For advanced needs, support is available via additional software such as queue management, logging, email, FTP, SNMP, and SDK.

Safety-enhancing features

- TEMPEST Level A+ and RÖS U1 (60-00-7303)
- Tamper-proof housing for maximum safety
- Riveted and sealed enclosures as standard – ensuring safe operation
- Built-in protection against EMC interference and information leakage
- No risk of crosstalk
- Multiple layers of one-way protection
- Rack module that easily integrates into your existing rack solution

With Fibersystem's Data Diodes, you get these benefits

- **One-way connection between two networks (also called Simplex)**
Built on hardware – no additional software needed. This completely eliminates the risk of data being sent in the wrong direction.
- **Fiber optic links provide galvanic isolation between networks**
Can be used in any Ethernet application with a fiber or copper connection. All data is transparently forwarded.
- **Ethernet or Fiber-based**
Support for: Syslog, NTP Broadcast, SNMP traps
Support for: UDP (Unicast, Broadcast, Multicast, Multicast)
- **For queue management, logging, e-mail, FTP, SNMP and SDK, additional software is required.**
- **Input and output**, fiber or copper are selected independently both in and out.

Versions

- 60-00-7303, 1 Gbps, Tempest Level A+ and RÖS U1, Multimode
- 60-00-8362, 1Gbps Singlemode
- 60-00-7304, 100 Mbps Multimode
- 60-00-8363, 100 Mbps Singlemode

Features

Fiber Optic Link	60-00-7303	60-00-8362
Data rate	1 Gbps	1 Gbps
Input LC	1000 BaseSX	1000 BaseLX
Input RJ45	1000 BaseT	1000 BaseT
Output LC	1000 BaseSX	1000 BaseLX
Output RJ45	1000 BaseT	1000 BaseT
Wavelength	Multimode 850 nm	Singlemode 1310 nm

Features

Fiber Optic Link	60-00-7304	60-00-8363
Data rate	100 Mbps	100 Mbps
Input LC	100 BaseSX	100 BaseLX
Input RJ45	100 BaseT	100 BaseT
Output LC	100 BaseSX	100 BaseLX
Output RJ45	100 BaseT	100 BaseT
Wavelength	Multimode 1300 nm	Singlemode 1310 nm

Technical data

Power supply	Description
Power Supply from Rack	The power supply is fed from Fibersystems' various rack systems
Mechanics and Environment	Description
Dimensions	115 x 20 x 195 (HxWxD) mm
Weight	0.15 kg
Operating temperature	0 °C to 50 °C, at 5-95%RH relative humidity, non-condensing
Storage Temperature	-40 °C to 70 °C, at 5-95%RH relative humidity, non-condensing

Order Information

Product	FBET	Product No.
Data Diode Secure 1 Gbit, TEMPEST Level A+ RÖS U1, MM	M3196-661110	60-00-7303
Data Diode Secure 1 Gbit, SM		60-00-8362
Data Diode Secure 100 Mbit, MM		60-00-7304
Data Diode Secure 100 Mbit, SM		60-00-8363
Accessory	FBET	Product No.
Single Slot Unit 1HU, 85-264 VAC	F3785-000080	60-00-6406
Single Slot Unit 1HU, 9-36 VDC	M3196-993219	60-00-7231
Rack shelf 19" 1HU for 1-3 Single Slot Units	F3785-000084	60-00-6505
Rack 19" 3HU for 1-3 cards	N/A	60-00-7391
Rack 19" 3HU for 1-3 cards with SNMP	N/A	60-00-7392
Rack 19" 3HU for 1-16 cards	M3196-992819	60-00-6944
Rack 19" 3HU for 1-16 cards with SNMP	M3196-001800	60-00-6918