

Fibersystem hardware designed Data Diode with bidirectional communication. The two way Data Diode with separated send and receive nodes are completely isolated from each other.

Bidirectional transfer of data over fiber cable or copper cable between two networks with hardware separation to guarantee security.

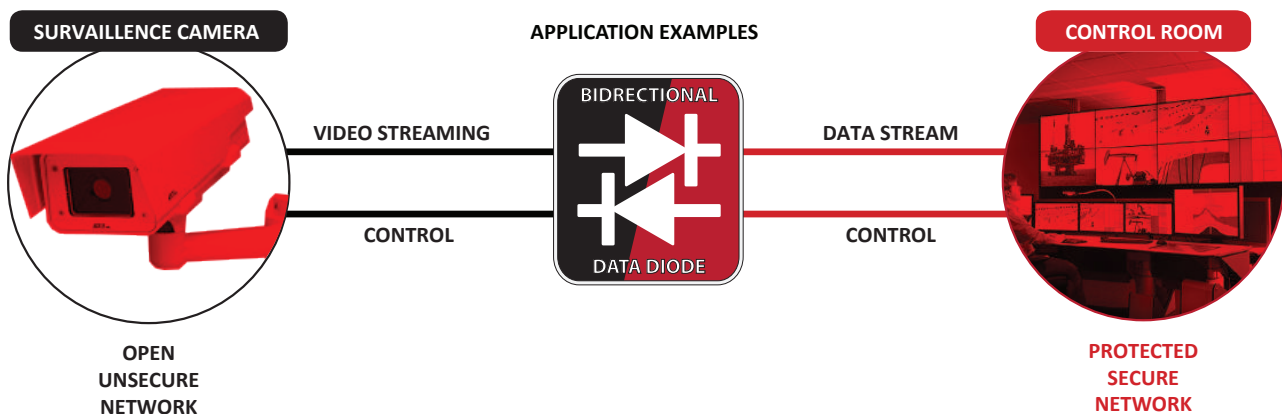
Fiber or Copper interface can be chosen independantly for In and Out. No need for extra converter!

The Fibersystem Data Diode Bidirectional gives the following advantages

- Based on hardware, no extra software needed. This completely eliminates the risk for data flowing in false direction
- Fiberoptical links for galvanic separation between networks
- Supports: Syslog, NTP Broadcast, SNMP traps
- Supports: UDP (Unicast, Broadcast, Multicast, Manycast)
- For Queue Mgmt, Logging, Mail, FTP, SNMP and SDK. Additional software is needed

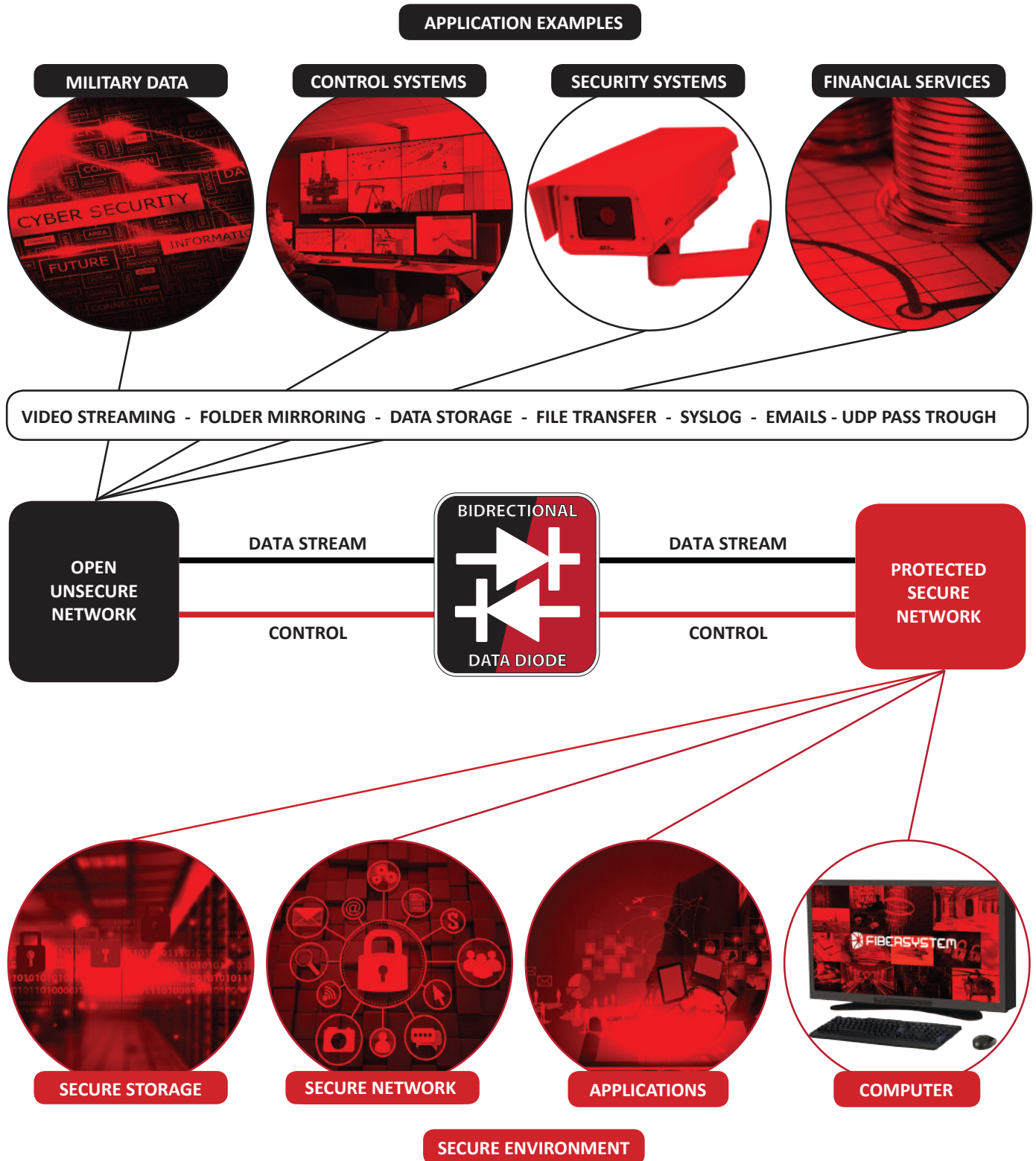
Features

- Fiber/copper connectivity
- 1 Gbit/s
- Tempest Level A (NATO standard)/ EMSEC/ RÖS U1 against eavesdropping
- 19" Rack unit, 1 HU
- Redundant Power Supplies
- Hot swap of Power Supplies
- Physically secured , tampering protected enclosure against manipulation
- No crosstalk
- Fast and easy deployment
- Durable and long lasting
- Tested and accredited



Application examples

- Command and control
- Remote monitoring
- SCADA replication
- Safety system isolation
- Remote access
- Client and server communication




Technical data

Galvanic/Electrical link	
Data speed	1 Gbps
Protocol	1000BaseTX
Fiber optic links	
Data speed	1 Gbps
Protocol	1000BaseTX
Wavelength	850 nm.
Fiber optical connector	LC
Fiber	Multimode 50/125um or 62.5/125um
Optical system budget	13dB in 62.5/um. 9dB in 50/125um fiber
Typical distance	0-2km (3dB system margin for 50/125um, 6dB for 62.5/125um)
Environmental	
Temperature range	Operating, +10 to +40 C C. Storage, 0 to +70 C
Relative humidity	Operating, 5 to 95 % . Storage, 5 to 95 % non condensing
Power Supply	
DC	24 VDC nom (9-36), 48 VDC nom (36-75)
AC	230VAC ±20%, 50–60 Hz, Max 10W
AC-connector	IEC 320, 3 pin (Integrated version) /
Regulatory compliance	
Safety	CE
Environmental	Complies with appropriate requirements of RoHs and WEEE
Dimensions and Weight	
Physical size	44 (H), 444 (W), 227 (D) mm
Weight	3 kg

Ordering information

Partnumber	Model	Description	In	Out	Power
60-00-7564	50-800	Data Diode Bidirectional 1Gbit (Tempest Level A/ RÖS U1) 2xDC	RJ45 / LC	RJ45 / LC	2xDC
60-00-7563	50-800	Data Diode Bidirectional 1Gbit (Tempest Level A/ RÖS U1) 2xAC	RJ45 / LC	RJ45 / LC	2xAC