

PROCEN^{TEC}

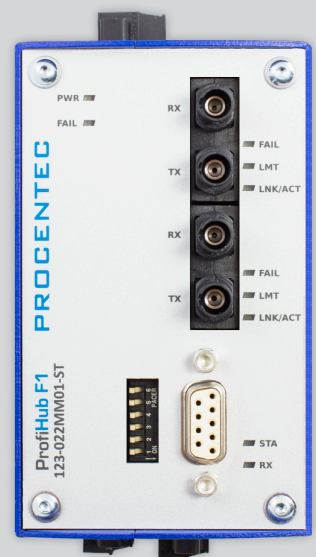


ProfiHub F1

Redundant Multi-Mode Fiber Optic System

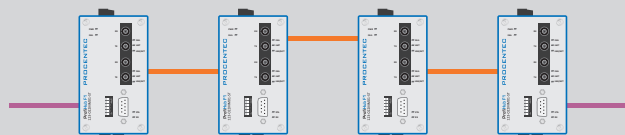
The ProfiHub F1 connects (redundant) PROFIBUS fieldbus networks via fiber optics. The device can work as a ring module or in a line or point-to-point structure. The potential separation of transmitter, receiver as well as ranges up to 5 km between two fiber optic systems are important performance features of the transmission with multi-mode fiber optics. The system is highly resistant to electrical and magnetic interferences, which makes the ProfiHub F1 especially suitable for applications with strict safety requirements, for instance applications in process industry, tunnel ventilation systems and railway technology.

Connected with PROCEN^{TEC} ComBricks, the ProfiHub F1 enables the unique FiberView feature for network diagnostics. This is a monitoring system that has especially been developed to monitor the status of fiber optic paths and works similar to a traffic light. If the traffic light on the device is green, everything is fine. Seeing a yellow light means the amount of light received is still tolerable, but already below a certain system reserve. A red light means a critical error. The benefit of this feature is that the user gets an early warning when the fiber isn't optimal and can take action before it creates downtime.

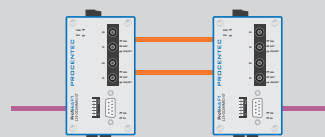


Application areas

- Process industry
- Railway technology
- Water treatment
- Road networks



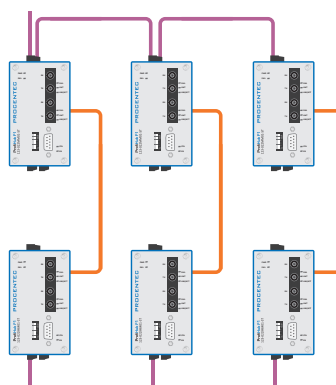
Line bus structure



Redundant bus structure

Your benefits

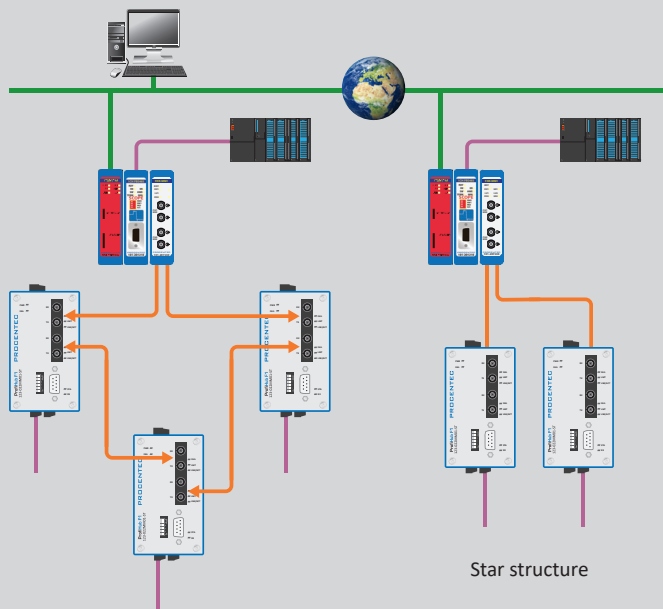
- High transmission capacity
- Multiple bus structured networks possible
- Small dimensions
- Very little loss of signal
- No electromagnetic interference
- High stability of the system



Point-to-point hub topology

Product features

- 1 channel DB9 connection
- 2 channel fiber optic multi-mode
- Support fiber optic ring
- ST-connectors for fiber optics
- Ranges up to 5 km
- FiberView diagnostic options
- DIN-rail mounting
- IP 20



Ring structure

Star structure

