

# Industrial Ethernet Switches





## SFP Fiber Optic Laser Modules



SFP Module	Use with	Mode	Connection	Max. Distance	Operating Temperature	Network Speed
852-201/107-002	852-303 852-103	Multi	Duplex LC	2 km/ 1.2 miles	0 °C to + 60 °C	100 Mbit
852-201/107-030	852-303 852-103	Single	Duplex LC	30 km/ 18.5 miles	0 °C to + 60 °C	100 Mbit
852-201/040-002	852-303 852-103	Multi	Duplex LC	2 km/ 1.2 miles	-40 °C to + 70 °C	100 Mbit
852-1200	852-303 852-1305	Multi	Duplex LC	0.55 km/ 0.4 miles	-40 °C to + 85 °C	1000 Mbit
852-1210	852-303 852-1305	Single	Duplex LC	10 km/ 6.2 miles	-40 °C to + 85 °C	1000 Mbit
852-1280	852-303 852-1305	Single	Duplex LC	80 km/ 49.7 miles	-40 °C to + 85 °C	1000 Mbit

- 100 Mbit and 1GB versions
- Scalable distances
- Extended temperature versions

## Accessories



Stainless DIN-rail  
adapter for  
852-111 and 852-1111  
PN: 852-9101  
Easy installation  
Required for marine  
applications



Ethernet RJ45 connector  
PN: 750-975  
Easy field installation  
No special tools required



RJ45 Socket  
PN: 51205068  
CAT 5 Ethernet



USB Socket  
PN: 51205157  
USB 3.0 type A plug  
2 ft extender cable



## ECO Switches

Part Number	852-111	852-112*	852-103
Network Speed	10/100BASE-TX	10/100BASE-TX	10/100/1000BASE-TX
Type	Unmanaged	Unmanaged	Unmanaged
Supply Voltage	18 to 30 VDC	18 to 30 VDC	9 to 48 VDC
Operating Temperature	-40 °C to 70 °C	-40 °C to 70 °C	-40 °C to 70 °C
Relative Humidity	95%	95%	95%
Housing	IP30 Steel	IP30 Steel	IP30 Steel
Certifications	CE, DNV, cULus	CE, DNV, cULus	CE, DNV, cULus

\* Horizontal Mounting

- (ECO)nomical industrial switches
- Extreme temperature ratings
- Wide voltage supply range
- Easy DIN-rail mount



## Industrial Switches



- Rugged housing design
- Redundant DC power supply
- Wide voltage supply range
- Easy DIN-rail mount
- DIP switches to set alarm functions

Part Number	852-101	852-102	852-103/040-000
Number of RJ45 Ports	5	8	8
Network Speed	(10/100BASE-TX)	(10/100BASE-TX)	(10/100BASE-TX)
Number of Fiber Optic slots	0	0	2 (10/100BASE-TX)
Type	Unmanaged	Unmanaged	Unmanaged
Supply Voltage	9 to 48 VDC	9 to 48 VDC	9 to 48 VDC
Operating temperature	-40 °C to 70 °C	-40 °C to 70 °C	-40 °C to 70 °C
Relative Humidity	95%	95%	95%
Redundent Power Supply	Yes	Yes	Yes
Alarm Relay	Yes	Yes	Yes
Housing	Rugged IP30	Rugged IP30	Rugged IP30
Certifications	CE, DNV, cULus	CE, DNV, cULus	CE, DNV, cULus



# Managed Switches



Part Number	852-303	852-1305
Number of RJ45 Ports	8 (100BASE-TX)	8 (1000BASE-TX)
Number of Fiber Optic slots	2 (1000BASE-SX/LX)	4 (1000BASE-SX/LX)
Number for Serial Ports	1 (RS-232/RJ45)	1 (RS-232/RJ45)
Type	Managed	Managed
Configuration Options	Web-based Management Command Line Interface	Web-based Management Command Line Interface
High Speed Rings	Jet Ring < 300 ms Xpress Ring < 50 ms	Jet Ring < 300 ms Xpress Ring < 50 ms
Supply Voltage	12 to 60 VDC	12 to 60 VDC
Operating Temperature	-40 °C to 70 °C	-40 °C to 70 °C
Relative Humidity	95%	95%
Redundant Power Supply	Yes	Yes
Alarm Relay	Yes	Yes
Housing	Rugged IP30	Rugged IP30
Certifications	CE, DNV, cULus	CE, DNV, cULus

- Fully managed
- IT functions built-in
- Web-based or CCI configuration
- Ring redundancy features
- Network security tools
- DIP switches to set alarm functions
- DNV Marine Certifications
- Dual power supply
- Copper and Fiber ports
- Gigabit versions

## Network Control

- Port trunking
- Link aggregation
- VLAN
- IGMP snooping/querying
- Loop detection
- Link Layer Discovery Protocol (LLDP)
- QoS
- Port control
- Storm control
- Rate limitation

## Network Security

- Access control list
- ARP Inspection
- Port security
- IEEE 802.1x
- BPDU (Bridge Protocol Data Unit) Guard (Monitors the Spanning Tree Protocols)

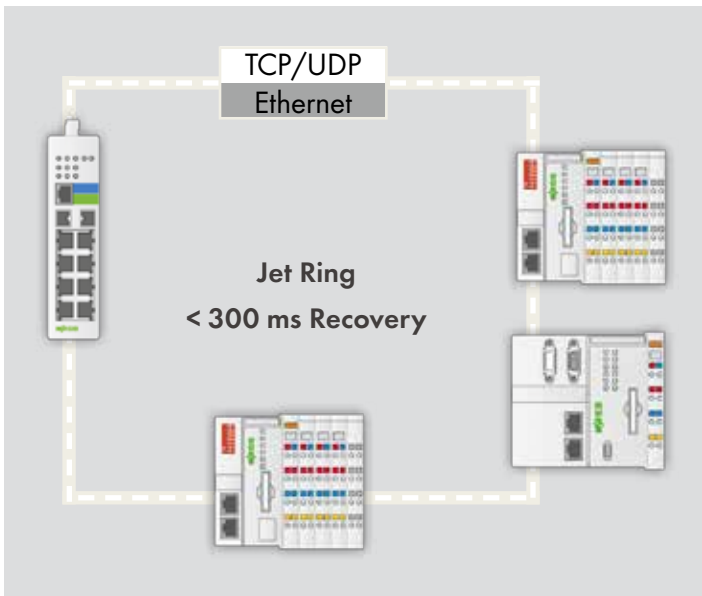


# Managed Switches

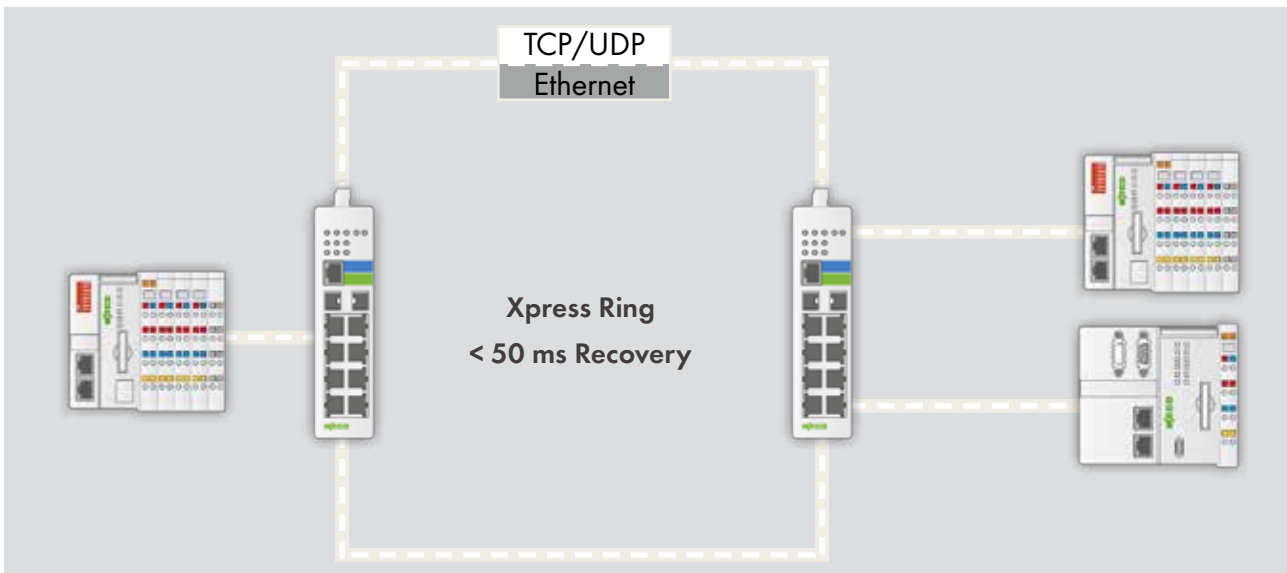
## High Speed Media Redundancy

### WAGO Ethernet ring control for increased reliability

WAGO's managed switches, 852-303, and 852-1303, offer several methods for configuring Ethernet ring topologies for increased reliability. In the event of a broken path due to a cable break or local power failure on one device, the system can reroute Ethernet packets using a secondary path. Two high speed recovery rings are offered, the Jet Ring that can recover in under 300 ms and the Xpress Ring with a less than 50 ms recovery time.



Note: When using the Jet Ring, fast aging must be enabled in WAGO Controllers and couplers



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