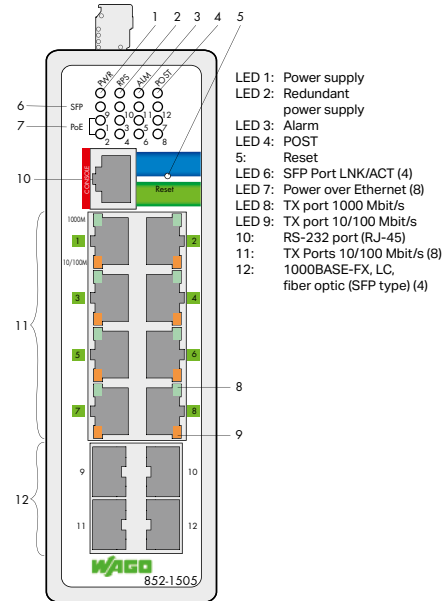


# Industrial Managed Switch; 8 Ports 1000BASE-T; 4 Slots 1000BASE-SX/LX; Extended Temperature Range; 8 \* Power over Ethernet



The configurable 852-1505 Industrial ETHERNET Switch features eight 10/100/1000BASE-T ports that all support Power over Ethernet (PoE+) at 30 W, and has four SFP-1000BASE-SX/LX ports (SFP modules are available as an option). All eight PoE+ ports can be operated simultaneously. The switch has a rugged housing, redundant power supply and function monitoring with a relay. These functions, along with extensive ETHERNET switch options, make it ideal for a wide range of applications.

#### Features:

- Web-based/SNMP management
- Redundant DC power supply
- Supply voltage range: 48 ... 57 VDC
- DIP switches to set alarm functions

- Full compliance with IEEE802.3, 802.3u, 802.3z, 802.3x, 802.3ad, 802.3ab, 802.1d, 802.1q, 802.1p, 802.1w, 802.1x and 802.3at standards
- Xpress Ring (redundant ring, switching time < 20 ms)
- Non-blocking, store-and-forward switching, rapid spanning tree protocol (RSTP)
- Auto-negotiation at all 10/100/1000Base-T ports
- Auto-MDI/MDIX (crossover) at all 10/100/1000Base-T ports
- VLAN (802.1q) VID
- IGMP snooping for multicast filtering
- Port configuration, status, statistics
- Port trunking
- SNMP v1/v2 and RMON

Description	Item No.	Pack. Unit
Industrial Managed Switch; 8Port 1000BASE-T; 4Slot 1000BASE-SX/LX; EXT; 8PoE	852-1505	1
<b>Accessories</b>		<b>Item No.</b>
SFP Module: 850 nm, 1000BASE-SX, Multi-Mode, DDM, LC, -40 ... +85 °C, 0.55 km,	852-1200	
SFP Module: 1310 nm, 1000BASE-LX, Single-Mode, DDM, LC, -40 ... +85 °C, 10 km	852-1210	
SFP Module: 1550 nm, 1000BASE-ZX, Single-Mode, DDM, LC, -40 ... +85 °C, 80 km	852-1280	
<b>Approvals</b>		
Conformity marking	CE	
61010-2-201	Pending	
<b>Technical Data</b>		
MAC table	Up to 16000 addresses	
VLAN	Port-based and tag-based (4k VIDs)	
Jumbo frame size	10 KB	
Power supply	48 ... 57 VDC	
Power consumption (max.)	18 W; 258 W mit 8 PoE+	
ESD (contact/air discharge)	8 KV / 15 KV	
Surrounding air temperature (operation)	-40 ... +70 °C	
Surrounding air temperature (storage)	-40 ... +80 °C	
Relative humidity (without condensation)	95 %	
Dimensions (mm) W x H x D	50 x 120 x 162	
Mounting	Height from upper-edge of DIN-rail	
Weight	DIN-35 rail	
Vibration resistance	940 g	
Shock resistance	Per IEC 60068-2-6	
Protection type	Per IEC 60068-2-27	
EMC immunity to interference	IP30	
EMC emission of interference	Per EN 61000-6-2	
	Per EN 61000-6-4	

Technical Data	
Switching mode	Non-blocking, store-and-forward switching
Number of ports (copper)	8 x 10/100/1000BASE-T (RJ-45); 8 x PoE+ (Power over Ethernet)
Number of ports, FOC	4 x 1000BASE-SX/LX (SFP)
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/LX IEEE 802.3ad Port Trunk with LACP IEEE 802.3x Flow Control IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) IEEE 802.1q VLAN Tagging IEEE 802.1p Prioritization IEEE 802.1x Port Authentication IEEE 802.1ab Link Layer Discovery Protocol (LLDP) IEEE 802.3ad Port Trunk with LACP IEEE 1588v2 Precision Time Protocol (PTP) IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+) ITU-T G8032v1/v2 Ethernet Ring Protection Switching (ERPS)
Redundancy functions	Redundant DC power supply, STP, RSTP, MSTP, Jetring < 300 ms, Xpress Ring < 20 ms, Dual Homing < 20 ms, Dual Ring, ERPSv2 < 50 ms, LCAP
Configuration	DIP switch for signal contact, Web-based CLI, SNMPv1/v2/v3
Diagnostics	Signal contact, MODBUS/TCP, port status, port statistics, port load, traffic monitor, SFP information, syslog, mail alarm, SNMP traps