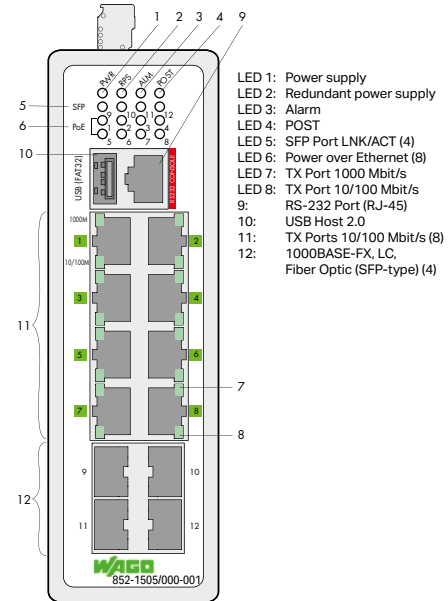


Industrial Managed Switch; 8 Ports 1000BASE-T; 4 Slots 1000BASE-SX/LX; Extended Temperature Range; 8 * Power over Ethernet; USB



The configurable 852-1505/000-001 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 (PoE Power Budget: 24 VDC = 120 W or 48 VDC = 240 W). Packaged in a rugged housing, this switch offers both a redundant power supply and relay-based function monitoring. 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

- Power supply range: 24 ... 57 VDC
- Diagnostics via Modbus® and SNMP
- DIP switches to set alarm functions
- Auto-negotiation at all 10/100/1000BASE-T ports
- Auto-MDI/MDIX (crossover) at all 10/100/1000BASE-T ports
- IGMP snooping for multicast filtering
- Port configuration, status, statistics
- Port trunking
- SNMP v1/v2c and RMON
- Approval (IEC 61850-3) for the energy market
- Firmware update and switch configuration via USB storage medium

Description	Item No.	Pack. Unit
Industrial Managed Switch; 8Port 1000BASE-T; 4Slot 1000BASE-SX/LX; EXT; 8PoE; USB	852-1505/000-001	1
Accessory	Item No.	
SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; DDM	852-1200	
SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; DDM	852-1210	
SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; DDM	852-1280	
Approvals		
Conformity marking	CE	
Ⓢ E175199 Ordinary Locations		
IEC 61850-3		
Technical Data		
MAC table	Up to 16000 addresses	
VLAN	Port-based and tag-based (4k VIDs)	
Jumbo frame size	10 KB	
Supply voltage	24 ... 57 VDC	
Power consumption (max.)	18 W; 258 W with 8 PoE+	
ESD (contact/air discharge)	8 KV / 15 KV	
Surrounding air temperature (operation)	-40 ... +70 °C; -10 ... +60 °C at UL 61010	
Surrounding air temperature (storage)	-40 ... +80 °C	
Relative humidity (without condensation)	95 %	
Dimensions (mm) W x H x D	50 x 120 x 162	
	Height from upper-edge of DIN-rail	
Mounting	DIN-35 rail	
Weight	955 g	
Vibration resistance	Per IEC 60068-2-6	
Shock resistance	Per IEC 60068-2-27	
Protection type	IP30	
EMC immunity to interference	Per EN 61000-6-2	
EMC emission of interference	Per EN 61000-6-4	

Technical Data	
Switching mode	Store-and-forward, non-blocking
Number of ports (copper)	8 x 10/100/1000BASE-T (RJ-45); 8 x PoE+ (Power over Ethernet)
Number of FOC ports	4 x 1000BASE-SX/LX (SFP)
Communication	1 x RS-232 (RJ-45); 1 x USB Host 2.0
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/LX IEEE 802.3x 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 Link Aggregation 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 Management; Command Line Interface; SNMPv1/v2c/v3; USB storage medium
Diagnostics	Signal contact; Modbus TCP; Port status; Port statistics; Port load; Traffic monitor; SFP information; Syslog; Mail alarm; SNMP traps; Loop detection; and more
Safety	Access Control List; Port Security; Authentication IEEE 802.1X