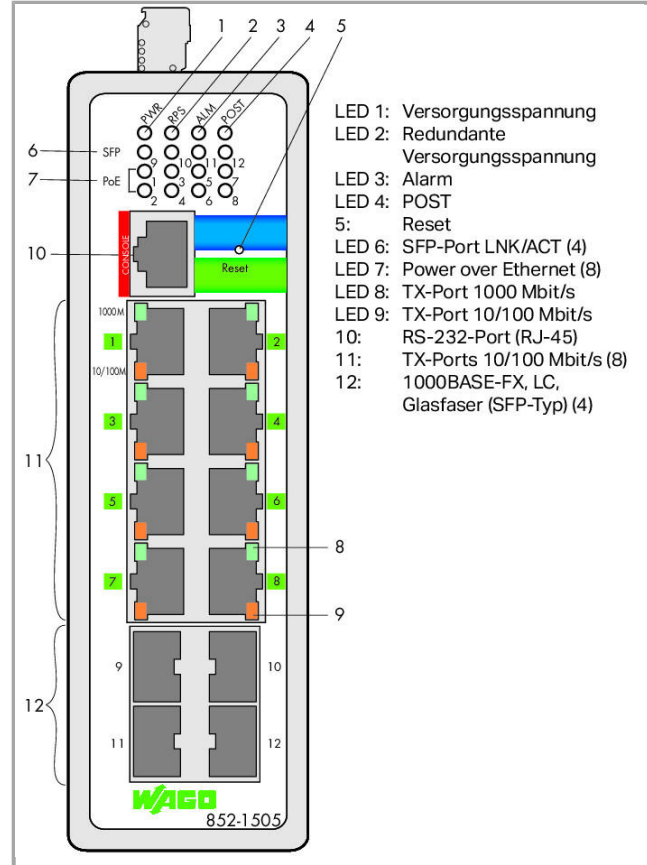


Data sheet | Item number: 852-1505

Industrial-Managed-Switch; 8-Port 1000BASE-T; 4-Slot 1000BASE-SX/LX;
Extended temperature range; 8 * Power over Ethernet; metallic black



852-1505



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

Item description

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

Data

Technical Data

Switchingmodus	Store-and-forward, non-blocking
Number of 1000Base-T ports	8
Number of 1000Base SX/LX ports	4
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 function	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 options	DIP switch for signal contact Command Line Interface SNMPv1/v2c/v3
Diagnostics	Signal contact, Modbus/TCP, port status, port statistics, port load, traffic monitor, SFP information, syslog, mail alarm, SNMP traps
MAC table (large)	16000 addresses
Jumbo frame size	10000 Byte
Supply voltage	DC 48 57 V
Energy consumption max.	258 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s; Fiber optic:1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, max. line length: 100 m; Fiber optic: SX Multi-Mode, LX Single-Mode
LWL-Fasertyp	Single-Mode and Multi-Mode
VLANs	Port-based and tag-based (4k VIDs)
Panel	14 x DIP switch: Alarm function power supplies and ports 1–12
Indicators	Gerät: LED (PWR, RPS, POST) grün: Versorgungsspannung (primär), Redundante Versorgungsspannung (sekundär), POST-Funktion; LED (ALM) rot: Alarm; LED (SFP) grün: Status Glasfaser Ports; pro Port: LED (1000M, 10/100M) grün, gelb: Status 1000 Mbps, 10/100 Mbps Port 1 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45; Fiber optic: 4 x SFP, LC fiber-optic connectors
Anschlussstechnik: Versorgung	1 x im Gerät verbaute Stiftleiste: 231-436/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 2231-106/026-000

Geometrical Data

Width	50 mm / 1.969 inch
Height from upper-edge of DIN-35 rail	120 mm / 4.724 inch
Depth	162 mm / 6.378 inch

Mechanical data

Weight	860 g
Color	metallic black
Housing material	Aluminum
Conformity marking	CE

Environmental Requirements

Surrounding air (operating) temperature	-40 70 °C
Surrounding air (storage) temperature	-40 80 °C



Protection class	IP30
Relative air humidity (no condensation)	95 %
Type of mounting	DIN-35 rail
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-4

Commercial data


Country of origin	TW
GTIN	4055143728010
Customs Tariff No.	85176200000

Compatible products






power supply















	Item no.: 787-1633 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 5 A output current; TopBoost; DC OK contact	787-1633
	Item no.: 787-1635 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 10 A output current; TopBoost; DC OK contact	787-1635

transfer module

	Item no.: 289-195 Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection	289-195
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wiring and connectors

	Item no.: 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-976
	Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	750-977 /000-011
	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	750-977 /000-012
	Item no.: 750-977/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	750-977 /000-013
	Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	750-977 /000-021

	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	750-977 /000-022
	Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	750-978 /000-011
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	750-978 /000-012
	Item no.: 750-978/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief	750-978 /000-013
	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	750-978 /000-021
	Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	750-978 /000-022
	Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	750-979 /000-011
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	750-979 /000-012
	Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief	750-979 /000-013
	Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	750-979 /000-021
	Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	750-979 /000-022
General accessories		
	Item no.: 852-1200 SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM; silver-colored	852-1200
	Item no.: 852-1210 SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM; silver-colored	852-1210
	Item no.: 852-1280 SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM; silver-colored	852-1280



Downloads

Documentation

Manual

Industrial Managed Switch; 8Port 1000BASE-T; 4Slot 1000BASE-SX/LX; EXT; 8PoE	V 1.0.0	pdf	Download
Industrial Managed Switch; 8 Ports 1000BASE-T; 4 Slots 1000BASESX/LX; Extended Temperature Range; 8 * Power over Ethernet		9.6 MB	

Bid Text

852-1505		docx	Download
		23.1 kB	

Instruction Leaflet

Gebrauchs- und Montageanleitung 852-1505	V 1.0.0	pdf	Download
Industrial-ETHERNET-Switch		793.9 kB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

System Description

Industrial Switches – General Product Information		pdf	Download
		2.0 MB	

Runtime Software

Firmware

Firmware: 852-1505 Industrial-Managed-Switch; 8-Port 1000BASE-T; 4-Slot 1000BASE-SX/LX; Extended temperature range; 8 * Power over Ethernet; metallic black	02 Jun 7, 2019	zip	Download
		10.0 MB	

Subject to changes.