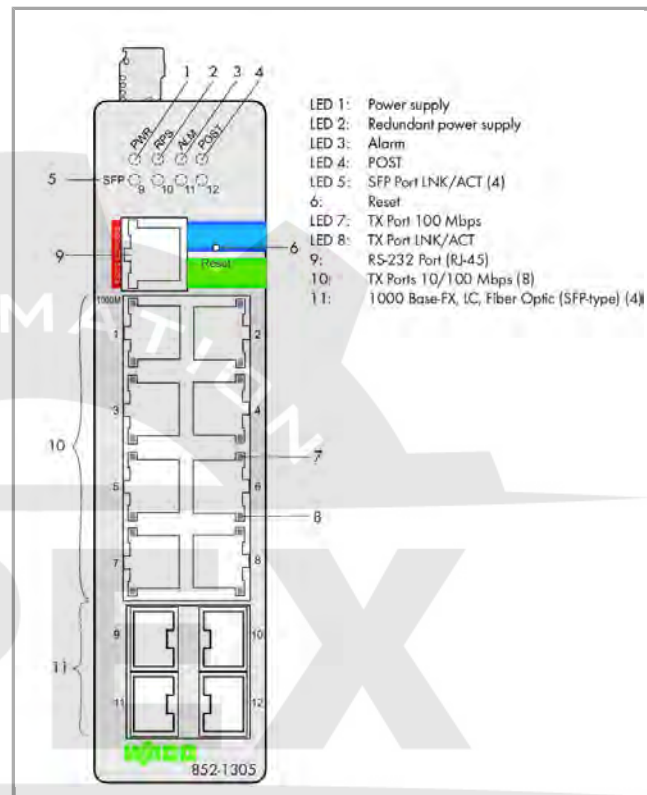


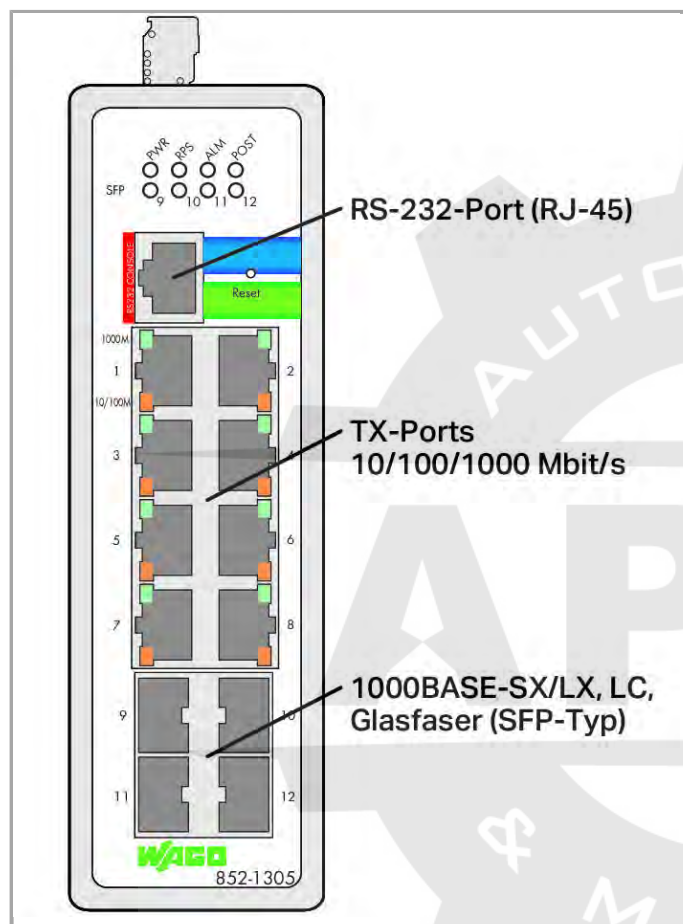
852-1305



RoHS 
Compliant

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

Color: 



Item description

The 852-1305 Industrial Managed Switch is an 8-port 10/100/1000Base-TX and 4-port SFP-100Base-SX/LX configurable ETHERNET switch (SFP modules are optional).

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
- Wide supply voltage range: 12 ... 60 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 standards

- Xpress Ring (redundant ring, recovery < 50 ms)
- Non-blocking, store-and-forward switching, rapid spanning tree protocol (RSTP)
- Autonegotiation 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 802.3x Flow Control IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1q VLAN Tagging IEEE 802.1ab Link Layer Discovery Protocol (LLDP) IEEE 802.1p Prioritization IEEE 802.1x Port Authentication 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 12 ... 60 V; Leitungslänge < 3 m
Energy consumption max.	18 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1,000 Mbit/s; Fiber optic: 1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 oder besser, 100 m maximale Leitungslänge; 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; 1 x Reset button: restart of the system
Indicators	Device: LED (PWR, RPS, POST) green: power supply (primary), redundant power supply (secondary), POST function; LED (ALM) red: Alarm; LED (SFP) green, Status fiber optic ports; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT 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	910 g
Color	metallic black
Housing material	Aluminum
Conformity marking	1

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	4055143327169
Customs Tariff No.	85176200000

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV DNV Germany GmbH	-	A-14050

Compatible products

General accessories

	Item no.: 852-1200 SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM	852-1200
	Item no.: 852-1210 SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM	852-1210
	Item no.: 852-1280 SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM	852-1280

wiring and connectors

	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-975
	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

/000-011

750-978

**Item no.: 750-978/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

/000-012

750-978

**Item no.: 750-978/000-013**

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief

/000-013

750-978

**Item no.: 750-978/000-021**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

/000-021

750-978

**Item no.: 750-978/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

/000-022

750-978

**Item no.: 750-979/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

/000-011

750-979

**Item no.: 750-979/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

/000-012

750-979

**Item no.: 750-979/000-013**

Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief

/000-013

750-979

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Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

/000-021

750-979

**Item no.: 750-979/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

/000-022

750-979

power supply**Item no.: 787-1602**

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1 A output current; NEC Class 2; DC OK signal

787-1602

**Item no.: 787-1606**

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 2 A output current; NEC Class 2; DC OK signal

787-1606

**Item no.: 787-1622**

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; DC OK contact

787-1622

**Item no.: 787-1623**

Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 2 A output current; DC OK signal

787-1623

**Item no.: 787-1632**

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact

787-1632

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.: 289-172
Interface module for ETHERNET RJ-45

289-172



Item no.: 289-175
Interface module for ETHERNET RJ-45

289-175



Item no.: 289-195
Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection

289-195



Item no.: 289-196
Interface module with RJ-45 connectors; CAGE CLAMP®CONNECTION; with LED; Fused

289-196

Downloads**Documentation****Manual**

8-Port 1000BASE-T + 4-Slot 1000BASE-SX/LX Industrial Switch V 1.2.0 pdf 5.7 MB [Download](#)

Bid Text

852-1305 doc 31.2 kB [Download](#)

Additional Information

Disposal; Electrical and electronic equipment, Packaging V 1.0.0 pdf 265.8 kB [Download](#)

System Description

Industrial Switches – General Product Information pdf 2.0 MB [Download](#)

Runtime Software**Firmware**

Firmware: 852-1305 Industrial-Managed-Switch; 8-Port 1000BASE-T; 4-Slot 1000BASE-SX/LX 04 Jul 27, 2018 zip 10.0 MB [Download](#)



Device Files

Device Description File

MIB File for 852-1305 Managed Switch	Mar 27, 2017	MIB 21.9 kB	Download
MIB File for 852 Managed Switch	Jul 22, 2016	MIB 15.7 kB	Download



Subject to changes.