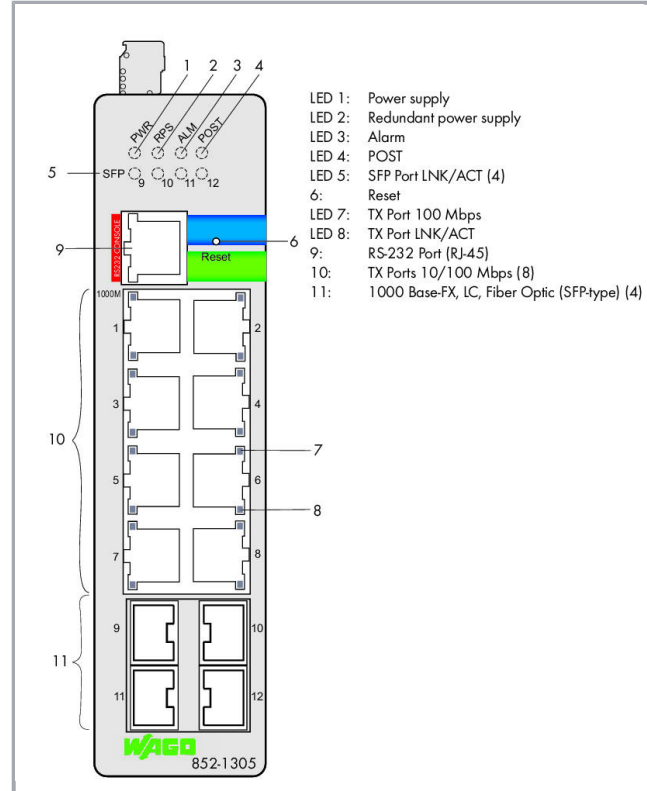


Data sheet | Item number: 852-1305

Industrial-Managed-Switch; 8-Port 1000BASE-T; 4-Slot 1000BASE-SX/LX;
metallic black



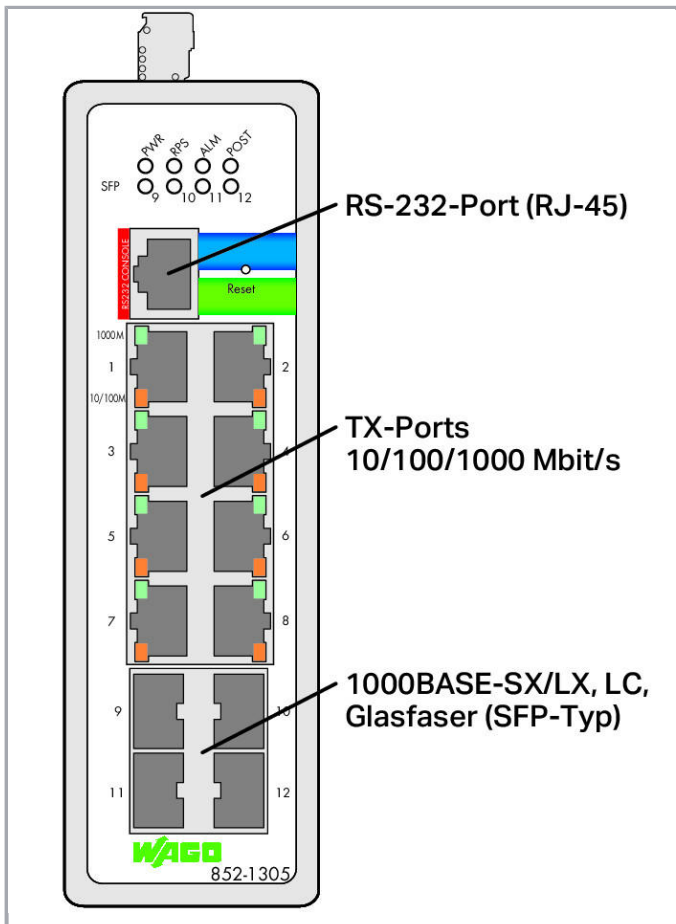
www.wago.com/852-1305



RoHS Compliant

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: 10/1000 Mbit/s; Fiber optic:1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 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; 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
Anschluss technik: 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
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

Packaging type	BOX
Country of origin	TW
GTIN	4055143327169
Customs Tariff No.	85176200000




Compatible products

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	www.wago.com/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	www.wago.com/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	www.wago.com/787-1622
	Item no.: 787-1623	
	Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 2 A output current; DC OK signal	www.wago.com/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	www.wago.com/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	www.wago.com/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	www.wago.com/787-1635




General accessories















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

transfer module

	Item no.: 289-172 Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier	www.wago.com/289-172
	Item no.: 289-175	
	Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm ²	www.wago.com/289-175
	Item no.: 289-195	
	Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection	www.wago.com/289-195
	Item no.: 289-196	
	Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5	www.wago.com/289-196

wiring and connectors

	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly; light gray	www.wago.com/750-975
	Item no.: 750-976	
	PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	www.wago.com/750-976
	Item no.: 750-977/000-011	
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	www.wago.com/750-977/000-011

	<p>Item no.: 750-977/000-012</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22</p>	<p>www.wago.com/750-977/000-012</p>
	<p>Item no.: 750-977/000-013</p> <p>Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22</p>	<p>www.wago.com/750-977/000-013</p>
	<p>Item no.: 750-977/000-021</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24</p>	<p>www.wago.com/750-977/000-021</p>
	<p>Item no.: 750-977/000-022</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24</p>	<p>www.wago.com/750-977/000-022</p>
	<p>Item no.: 750-978/000-011</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief</p>	<p>www.wago.com/750-978/000-011</p>
	<p>Item no.: 750-978/000-012</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief</p>	<p>www.wago.com/750-978/000-012</p>
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	<p>Item no.: 750-978/000-022</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief</p>	<p>www.wago.com/750-978/000-022</p>
	<p>Item no.: 750-979/000-011</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief</p>	<p>www.wago.com/750-979/000-011</p>
	<p>Item no.: 750-979/000-012</p> <p>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief</p>	<p>www.wago.com/750-979/000-012</p>
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Downloads

Documentation

Manual

8-Port 1000BASE-T + 4-Slot 1000BASE-SX/LX Industrial Switch	V 1.2.0	pdf 5.7 MB	Download
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Additional Information

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

Industrial Switches – General Product Information		pdf 2.0 MB	Download
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Runtime Software

Firmware

Firmware; 852-1305 Industrial-Managed-Switch; 8-Port 1000BASE-T; 4-Slot 1000BASE-SX/LX; metallic black	06 07-Jun-2019	zip 9.9 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 852-1305			Download
WSCAD Universe 852-1305			Download

Device Files

Device Description File

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



Installation Notes

Subject to changes.

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Do you have any questions about our products?
We are always happy to take your call at 01788 568 008.