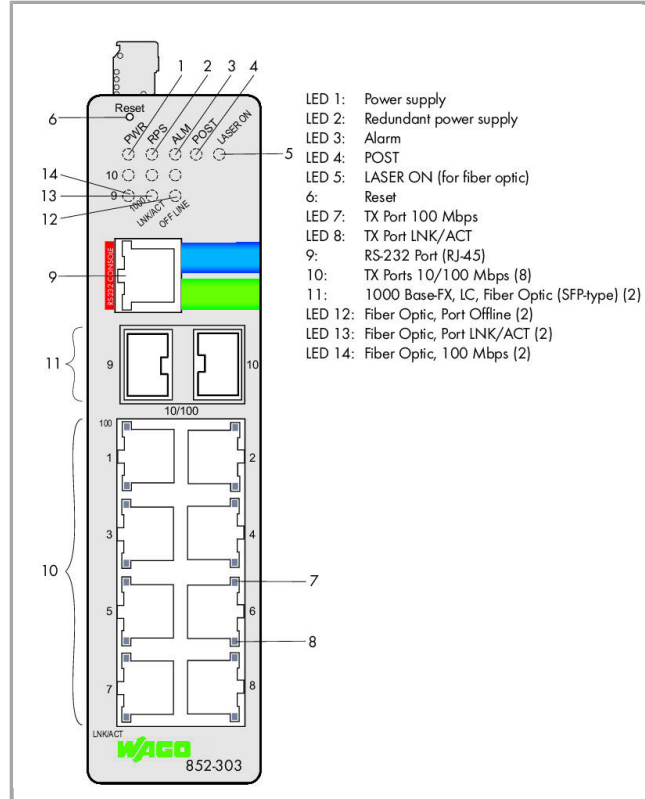
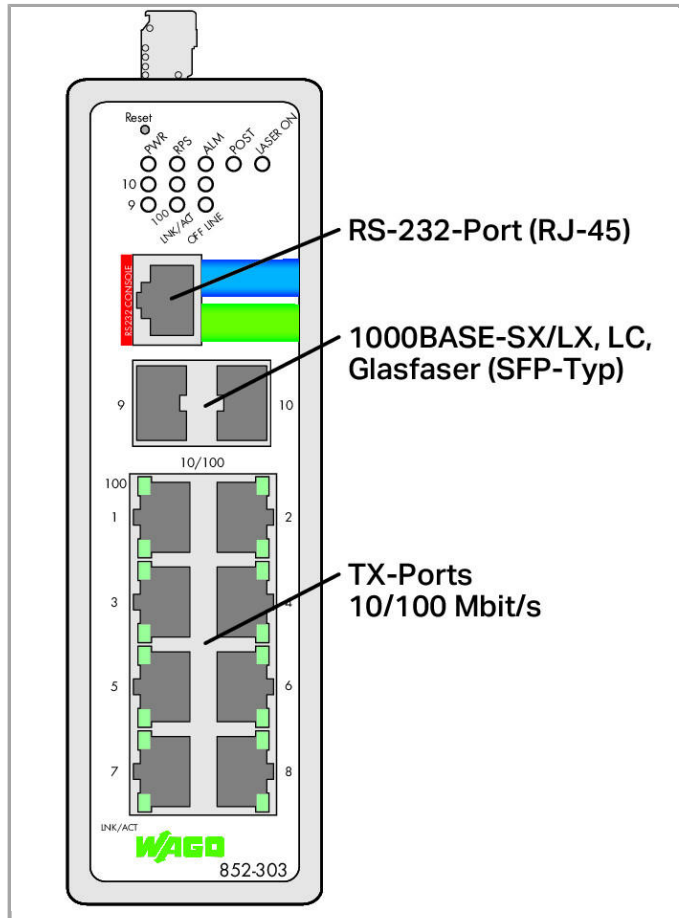


852-303



RoHS 
Compliant

BOMcheck.net

Color: 

Item description

The 852-303 Industrial Switch is a 8-port 10/100Base-TX and 2-port SFP 100Base-FX/1000Base-FX/SX (optional SFP modules) configurable ETHERNET switch.

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 10/100Base-TX ports
- Auto-MDI/MDIX (crossover) at all 10/100Base-TX 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 100Base-TX ports | 8 |
| Number of 1000Base SX/LX ports | 2 |
| Communication standards | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX 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 |
| 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. | 12 W |
| ESD (contact/air discharge) | 8 KV / 15 KV |
| Baud rate | Copper cable: 10/100 Mbit/s; Fiber optic: 1000 Mbit/s |
| Transmission medium (communication/fieldbus) | Copper cable: Cat. 5e 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 1–10, 100 /1000 Mbps fiber optic ports; 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 (LASER ON) yellow, LED (LNK/ACT, 100) green, LED (OFFLINE) red: 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: 2 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 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 | 4055143327176 |
| Customs Tariff No. | 85176200000 |


Approvals / Certificates

Ship Approvals


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

Compatible products


transfer module


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


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 |
|--|---|----------|


| | | |
|--|--|----------------------|
|  | Item no.: 852-201/107-002 SFP module 2: 1310nm; 100Base-FX Multi-Mode LC; 2 km | 852-201 / 107-002 |
|--|--|----------------------|


| | | |
|--|---|----------------------|
|  | Item no.: 852-201/107-030 SFP module 30: 1310nm; 100Base-FX Single-Mode LC; 30 km | 852-201 / 107-030 |
|--|---|----------------------|


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; | 787-1633 |
|---|----------|



DC OK contact

**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

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

/000-011

750-977

**Item no.: 750-977/000-012**

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

/000-012

750-977

**Item no.: 750-977/000-013**

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

/000-013

750-977

**Item no.: 750-977/000-021**

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

/000-021

750-977

**Item no.: 750-977/000-022**

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

/000-022

750-977

**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

750-013

750-979



Item no.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

750-021

750-979



Item no.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

750-022

750-979

Downloads

Documentation

Manual

| | | | |
|---|---------|---------------|----------|
| 8-Port 100BASE-TX + 2-Slot 1000BASE-SX/LX Industrial Switch | V 1.2.0 | pdf 7.7 MB | Download |
|---|---------|---------------|----------|

Bid Text

| | | | |
|---------|--|----------------|----------|
| 852-303 | | 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: 852-303 Industrial-Managed-Switch; 8-port 100Base-TX; 2-Slot 1000BASE-SX/LX | 04 Jul 27, 2018 | zip 9.9 MB | Download |
|---|--------------------|---------------|----------|

CAD/CAE - Smart Data

CAD data

| | | | |
|---------------------|--|--|----------|
| 3D Download 852-303 | | | Download |
|---------------------|--|--|----------|



Device Files

Device Description File

| | | | |
|-------------------------------------|--------------|----------------|--------------------------|
| MIB File for 852 Managed Switch | Jul 22, 2016 | MIB 15.7 kB | Download |
| MIB File for 852-303 Managed Switch | Mar 27, 2017 | MIB 21.8 kB | Download |

Subject to changes.
