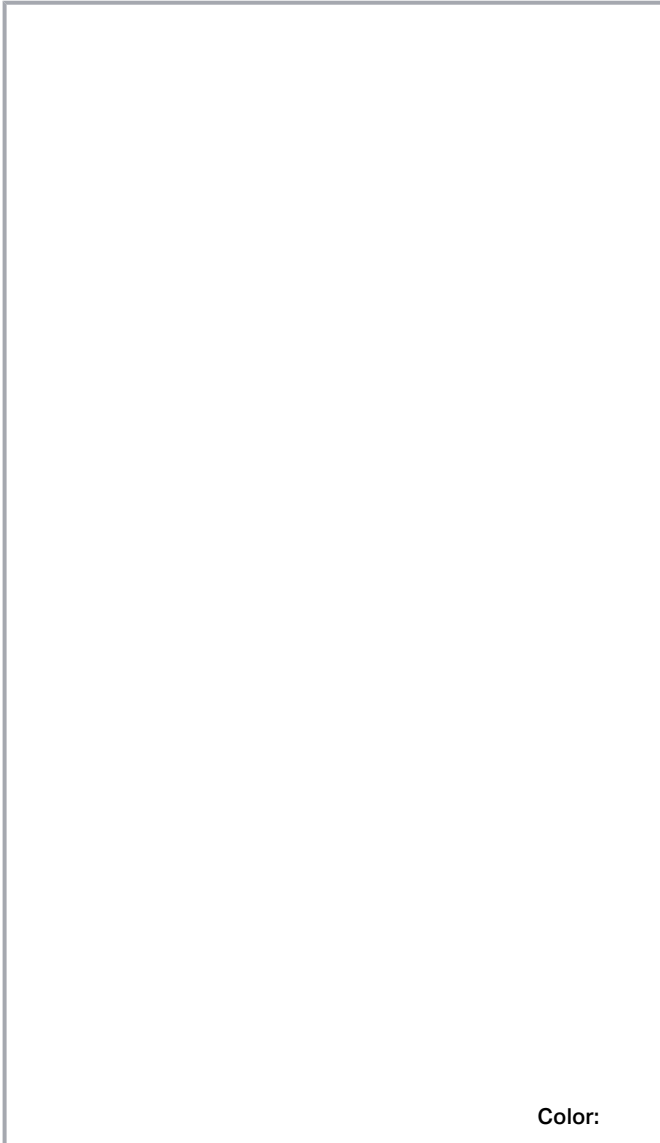


Data sheet | Item number: 852-602

Industrial Managed Switch; 8-port 100Base-TX; PROFINET; Extended temperature range; black metallic

www.wago.com/852-602



Item description

The 852-602 Industrial Managed Switch is a configurable ETHERNET switch equipped with eight 10/100Base-TX copper ports. Packaged in a rugged housing, this switch offers both a redundant power supply and relay-based function monitoring.

The PROFINET certificate (conformity class B) guarantees easy integration into PROFINET automation systems using the device description file (GSD). In addition, the device supports the PROFINET Netload Class II.

Subject to changes. Please also observe the further product documentation!

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The device supports flexible multi-port mirroring configuration via device description file or Web-Based Management. Function blocks allow cyclic PROFINET switch diagnostics to be efficiently implemented within the TIA Portal. An application note that outlines this process is available.

Features:

- Web-based/SNMP management
- Redundant DC power supply
- Power supply range: 12 ... 60 VDC
- DIP switches to set alarm functions
- Full compliance with IEEE802.3, 802.3u, 802.3x, 802.1d, 802.1w, 802.1s, 802.1Q, 802.1p standards
- Media redundancy protocol (MRP) as manager (MRM) or client (MRC), redundant ring
- Non-blocking, store-and-forward switching, rapid spanning tree protocol (RSTP)
- Autonegotiation and AUTO-MDI/MDIC (crossover)
- VLAN (802.1Q) VID
- IGMP snooping
- Port configuration, status, statistics
- Port trunking and multi-port mirroring
- SNMP v1/v2c/v3 and RMON
- Time synchronization via SNTP
- Storm control, bandwidth limitation and loop detection

Data

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 100 Mbit/s ports	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX 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 Class of service IEEE 802.1ab Link Layer Discovery Protocol (LLDP) PROFINET Conformance Class B
Redundancy function	Redundant DC power supply; STP; RSTP; MSTP; Media redundancy protocol as manager or client
Configuration options	DIP switch for signal contact Web-Based Management Command Line Interface SNMPv1/v2c/v3
Diagnostics	Signal contact; Port status; Port statistics; Port load; Traffic monitor;

Subject to changes. Please also observe the further product documentation!



	SFP information; Syslog; SNMP traps; PN diagnostics (cyclic and acyclic)
MAC table (size)	16000 addresses
Jumbo frame size	10000. Byte
Supply voltage	12 ... 60 VDC
Power consumption (max.)	12 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
VLAN	Port-based and tag-based (4k VIDs)
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm or PROFINET error (with active PROFINET mode); pro Port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT ports 1 ... 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-436/001-000; included female connector (MCS Connectors): 2231-106/026-000

Physical data

Width	50 mm / 1.969 inches
Height	162 mm / 6.378 inches
Depth	120 mm / 4.724 inches

Mechanical Data

Weight	882 g
Color	black metallic

Environmental requirements

Ambient temperature (operation)	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +80 °C
Protection type	IP30
Relative humidity (without condensation)	95 %
Mounting type	DIN-35 rail
Vibration resistance	per IEC 60068-2-6
Shock resistance	per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2

Subject to changes. Please also observe the further product documentation!



EMC emission of interference	per EN 61000-6-4
Fire load	0.302 MJ

Commercial data

ETIM 8.0	EC000734
ETIM 7.0	EC000734
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	TW
GTIN	4055143907989
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Protocol and fieldbus specific certificates

Logo	Approval	Additional Approval Text	Certificate name
	Profi-Net Siemens AG/ComDeC	-	Z12462

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Optional accessories

Interface module

Interface module

Item no.: 289-195

Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

www.wago.com/289-195

Power supplies

Power supply unit

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

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.: 787-1622

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.: 787-1606

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.: 787-1623

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

www.wago.com/787-1623

Cables and pluggable connectors

Connector plug

Item no.: 750-976

PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

www.wago.com/750-976

Item no.: 750-978/000-012

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

www.wago.com/750-978/000-012

Item no.: 750-979/000-012

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

www.wago.com/750-979/000-012

Item no.: 750-978/000-021

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

www.wago.com/750-978/000-021

Item no.: 750-979/000-022

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

www.wago.com/750-979/000-022

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Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	www.wago.com/750-979/000-011
Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief	www.wago.com/750-979/000-013
Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	www.wago.com/750-979/000-021
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Downloads

Documentation

Manual

Product Manual Industrial Managed Switch	V 1.0.0	pdf	Download
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8 Ports 100BASE-TX, PROFINET; EXT

2019 年12月12日

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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18日	pdf 2.2 MB	Download
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System Description

Industrial Switches – General Product Information		pdf 1.9 MB	Download
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Runtime Software**Firmware**

0852-0602, Industrial-Managed-Switch WAGO_FW0852-0602_V010003_IX02_F	V 02 2021 年7月21日	zip 9.0 MB	Download
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CAD/CAE-Data**CAD data**

2D/3D Models 852-602		URL	Download
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CAE data

ZUKEN Portal 852-602		URL	Download
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EPLAN Data Portal 852-602		URL	Download
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Device Files**Device Description File**

750-916; GSD files of version 2.x for PROFINET/ series 750/753, 765, 767 and 852

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-602 Industrial Managed Switch; 8-port 100Base-TX; PROFINET; Extended temperature range; black metallic	URL	Download
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Installation Notes

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