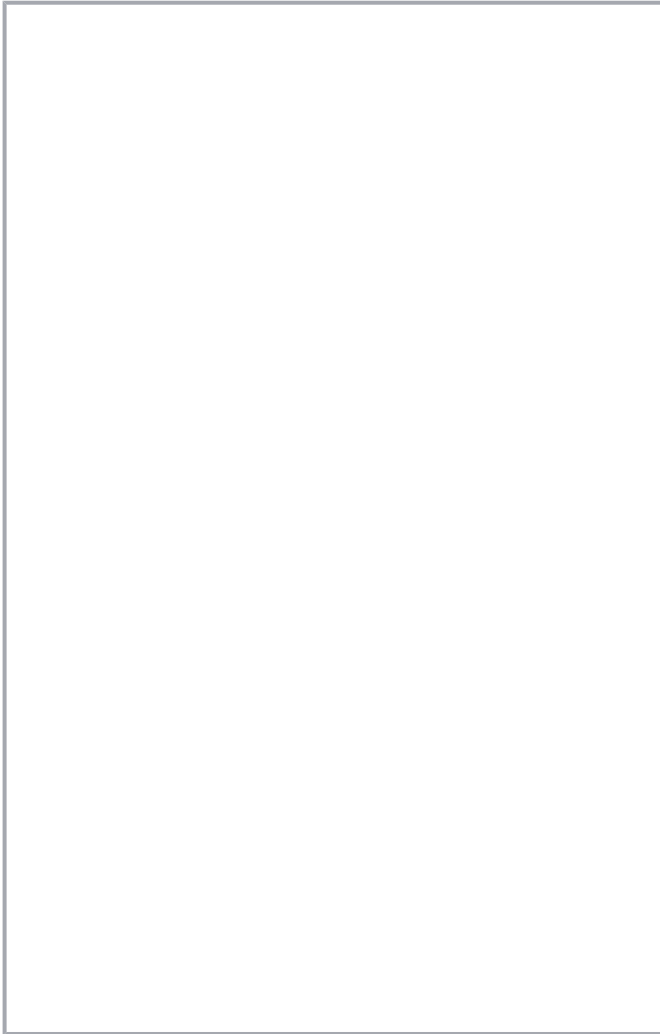


Data sheet | Item number: 852-1328

Industrial-Managed-Switch; 6-Port 1000BASE-T; 2-Slot 1000BASE-SX/LX;
MAC Security



www.wago.com/852-1328



Item description

The configurable 852-1328 Industrial ETHERNET Switch is equipped with eight 10/100/1000BASE-T ports and two 1000BASE-SX/LX SFP ports (SFP modules are optional). Data encryption complies with IEEE802.1AE (MAC Security Standard) for communication via SFP slots (ports 7 and 8). This functionality, combined with compact dimensions, makes WAGO's managed switch ideal for retrofitting network security during operation of the automation system. The customer application remains unchanged. The optional authentication of the other participants in the network is port-specific in accordance with IEEE 802.1X and RADIUS server.

Packaged in a rugged housing, this switch offers a redundant power supply.

Features:

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

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Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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- Web-based (HTTP(S))
- Configuration and diagnostics via SNMPv3
- Redundant DC power supply
- Supply voltage range: 9 ... 48 VDC
- Full compliance with IEEE802.3, 802.3u, 802.3z, 802.3x, 802.3ab, 802.1p, 802.1X, 802.1Q and 802.1AE standards
- Non-blocking, store-and-forward switching
- Auto-negotiation at all 10/100/1000BASE-T ports
- Auto-MDI/MDIX (crossover) at all 10/100/1000Base-T ports
- SNMP v1/v2c/v3

Data

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 1 Gbit/s ports	6
Number of 1 Gbit/s SFP ports	2
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 802.1p Prioritization IEEE 802.1x Port Authentication IEEE 802.1Q VLAN Tagging IEEE 802.1AE MAC Security
Redundancy function	Redundant DC power supply
Configuration options	Web-based (HTTP(S)) SNMPv1/v2c/v3
Diagnostics	Modbus TCP; Port status; Syslog; SNMP traps
MAC table (size)	16000 addresses
Supply voltage	9 ... 48 VDC
Power consumption (max.)	5.8 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s; Fiber optic:1000 Mbit/s
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; LED (LNK/ACT, 100) green, LED (OFFLINE) red: Status fiber optic ports; per port: LED (100M/1G, LNK/ACT) green: Status 100 Mbit/s/1 Gbit/s, LNK/ACT ports 1 ... 6; LED ports 7, 8 green: Fiber optic port status

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Connection data

Connection technology: communication/fieldbus	Copper cable: 6 x RJ-45; Fiber optic: 2 x SFP slots (e.g., with SFP module and LC fiber-optic connector)
Connection technology: supply	1 x Built-in male connector: 231-435/001-000; included female connector (MCS Connectors): 2231-105/026-000

Physical data

Width	45.3 mm / 1.783 inches
Height	110 mm / 4.331 inches
Depth	92 mm / 3.622 inches

Mechanical Data

Weight	639 g
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Environmental requirements

Ambient temperature (operation)	-20 ... +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
EMC emission of interference	per EN 55011, 55024, 55032 (Class A + B), 61000-6-3, -4

Commercial data

ETIM 8.0	EC000734
ETIM 7.0	EC000734
Recupel Type	
PU (SPU)	1 pcs
Country of origin	TW
GTIN	4055143978415
Customs tariff number	85176200000

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Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

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 62368-1	E175199

Declarations of conformity and manufacturer's declarations

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

Optional accessories

Plugs

SFP module	
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; Digital Diagnostics Monitoring; 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; Digital Diagnostics Monitoring; silver-colored	www.wago.com/852-1280
Item no.: 852-201/107-002 SFP Module 100BASE; FX Multi-Mode 1310 nm LC; 2 km; silver-colored	www.wago.com/852-201/107-002
Item no.: 852-201/107-030 SFP Module 100BASE; LX Single-Mode 1310 nm LC; 30 km; silver-colored	www.wago.com/852-201/107-030

Cables and pluggable connectors

Connector plug

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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

Item no.: 750-978/000-022

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

www.wago.com/750-978/000-022

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

Item no.: 750-977/000-011

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

www.wago.com/750-977/000-011

Item no.: 750-978/000-013

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

www.wago.com/750-978/000-013

Item no.: 750-978/000-011

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

www.wago.com/750-978/000-011

Item no.: 750-977/000-022

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

www.wago.com/750-977/000-022

Item no.: 750-977/000-012

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

www.wago.com/750-977/000-012

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Item no.: 750-977/000-013
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

www.wago.com/750-977/000-013

Item no.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

www.wago.com/750-977/000-021

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

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

Downloads

Documentation

Manual

Product Manual Industrial Managed Switch
6-Port 1000BASE-T; 2-Slot 1000BASE-SX/LX; MAC Security

V 1.2.0
2021 年10月14日

pdf
8.4 MB

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Bid Text

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System Description

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

Firmware

0852-1328, Industrial-Managed-Switch WAGO_FW0852-1328_V20210830_IX02	V 02 2021 年8月30 日	zip 9.3 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 852-1328		URL	Download
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CAE data

EPLAN Data Portal 852-1328		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1328 Industrial-Managed-Switch; 6-Port 1000BASE-T; 2-Slot 1000BASE-SX/LX; MAC Security		URL	Download
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Installation Notes

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