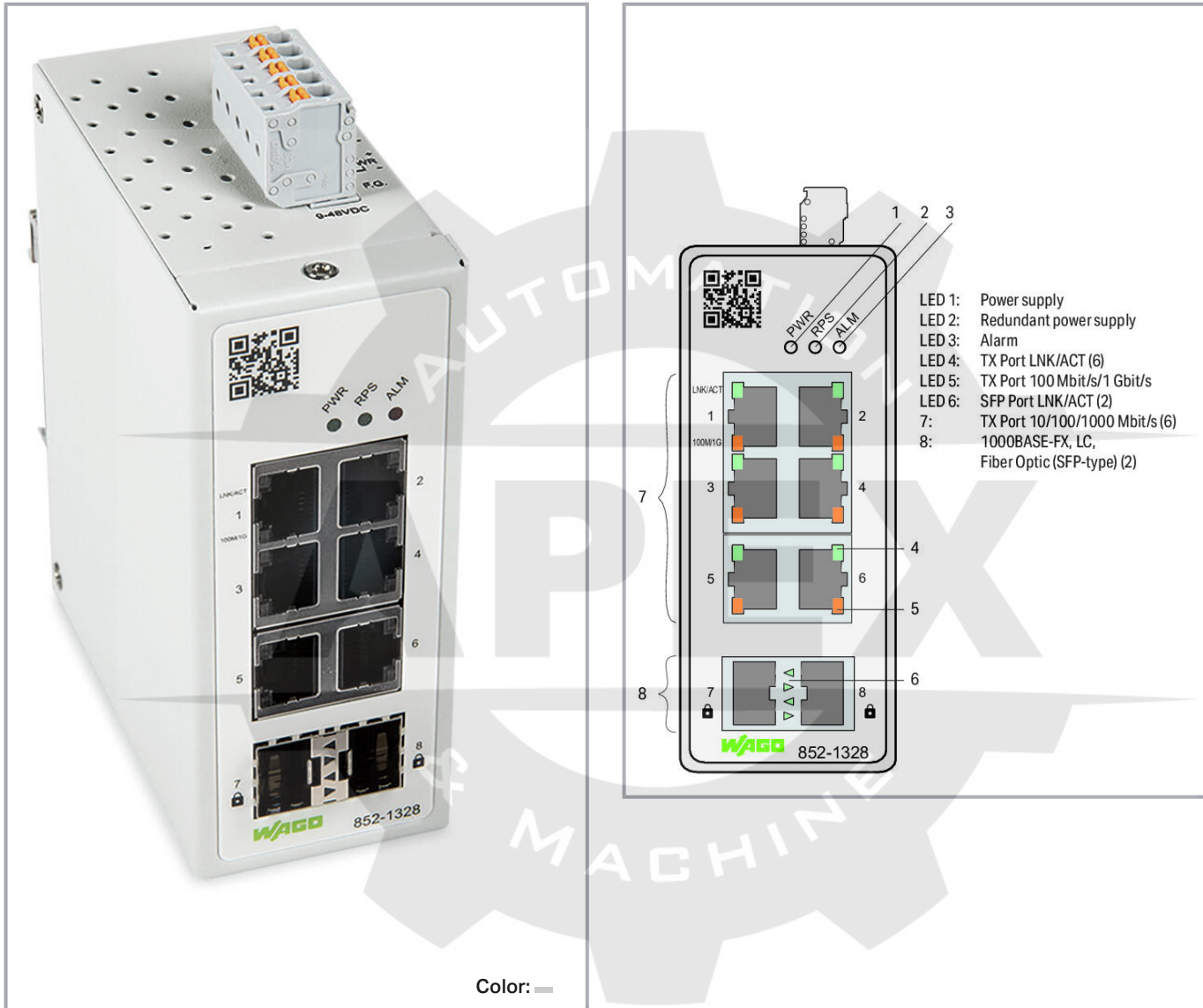


Data sheet | Item number: 852-1328

Industrial managed switch - MAC Security; 6 - 10/100/1000 Mb/s RJ45 ports; 2 - 1000 Mb/s Fiber Optic ports

www.wago.com/852-1328



Item description

The 852-1328 Industrial Managed Switch is a 6-port 10/100/1000BASE-T and 2-port SFP-1000BASE-SX/LX configurable ETHERNET switch (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-

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

WAGO Corporation
Germantown, WI 53022
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specific in accordance with IEEE 802.1X and RADIUS server.

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

Features:

- 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, 802.3az, 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 1000BASE-T ports	6
Number of 1000Base SX/LX 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 802.3az Energy Efficient Ethernet 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 without PoE	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

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(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

Connection data

Connection technology: communication/fieldbus	Copper cable: 6 x RJ-45; Fiber optic: 2 x SFP; 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 inch
Height	110 mm / 4.331 inch
Depth	92 mm / 3.622 inch

Mechanical data

Weight	639 g
Color	light gray

Environmental requirements

Surrounding air temperature (operation)	-20 ... 70 °C
Surrounding air 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

Packaging type	BOX
Country of origin	TW
GTIN	4055143978415
Customs tariff number	8517620090

Approvals / Certificates

UL-Approvals

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Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 62368-1	E175199

Optional accessories

Power supplies

	Item no.: 787-1602 EPSITRON® CLASSIC power supply; single-phase; output voltage 24 VDC; 1 A	www.wago.com/787-1602
	Item no.: 787-1606 EPSITRON® CLASSIC power supply; single-phase; output voltage 24 VDC; 2 A	www.wago.com/787-1606
	Item no.: 787-1622 EPSITRON® CLASSIC power supply; single-phase; output voltage 24 VDC; 5 A	www.wago.com/787-1622
	Item no.: 787-1623 EPSITRON® CLASSIC power supply; single-phase; output voltage 48 VDC; 2 A	www.wago.com/787-1623
	Item no.: 787-1632 EPSITRON® CLASSIC power supply; 1-phase; output voltage 24 VDC; 10 A	www.wago.com/787-1632
	Item no.: 787-1633 EPSITRON® CLASSIC power supply; 2-phase; output voltage 48 VDC; 5 A	www.wago.com/787-1633
	Item no.: 787-1635 EPSITRON® CLASSIC power supply; 2-phase; output voltage 48 VDC; 10 A	www.wago.com/787-1635

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
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Cables and pluggable connectors

	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
	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	www.wago.com/750-977/000-012
	Item no.: 750-977/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	www.wago.com/750-977/000-013

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

General accessories

	Item no.: 852-1200 Fiber-optic module; 850 nm; 1000Base-SX multi-mode LC; 0.55 km; extended temperature range	www.wago.com/852-1200
	Item no.: 852-1210	

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	Fiber-optic module; 1310 nm; 1000Base-LX single-mode LC; 10 km; extended temperature range	www.wago.com/852-1210
	Item no.: 852-1280 Fiber-optic module; 1550 nm; 1000Base-ZX single-mode LC; 80 km; extended temperature range	www.wago.com/852-1280
	Item no.: 852-201/107-002 Fiber-optic module; 1310 nm; 100Base-FX multi-mode LC; 2 km	www.wago.com/852-201/107-002
	Item no.: 852-201/107-030 Fiber-optic module; 1310 nm; 100Base-FX single-mode LC; 30 km	www.wago.com/852-201/107-030

Downloads Documentation

Manual

Managed Switch; MAC Security	V 1.0.0 May 28, 2020	pdf 3.2 MB	Download
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Bid Text

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System Description

Industrial Switches – General Product Information		pdf 2.0 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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Environmental Product Compliance

Compliance Search

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

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Installation Notes



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