



Item description

The configurable 852-1322 Industrial ETHERNET Switch is equipped with eight 10/100/1000BASE-T ports. Data encryption complies with IEEE802.1AE (MAC Security Standard) for communication via 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:

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- 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, 802.3x, 802.3ab, 802.1p, 802.1X, 802.3az 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	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T 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
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; per port: LED (100M/1G, LNK/ACT) green: Status 100 Mbit/s/1 Gbit/s, 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: 231-435/001-000; included female connector (MCS Connectors): 2231-105/026-000

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



Physical data

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

Mechanical Data

Weight	628 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
PU (SPU)	1 pcs
Country of origin	TW
GTIN	4055143978163
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	TP TC 020/2011	EAC RU C-

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



Brjansker Zertifizierungsstelle

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

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

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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
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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**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 8-Port 1000BASE-T; MAC Security	V 1.2.0 2021 年10月14 日	pdf 9.6 MB	Download
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Bid Text

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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**

0852-1322, Industrial-Managed-Switch WAGO_FW0852-1322_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 852-1322	URL	Download
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CAE data

EPLAN Data Portal 852-1322	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1322 Industrial-Managed-Switch; 8-Port 1000BASE-T; MAC Security	URL	Download
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Installation Notes

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