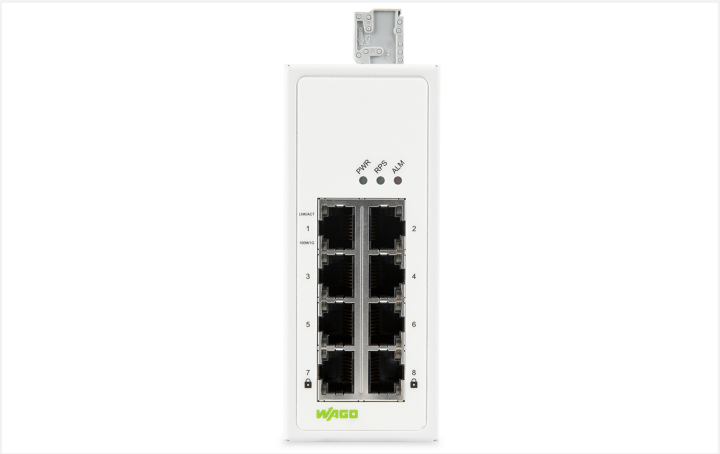
Data Sheet | Item Number: 852-1322

Industrial Managed Switch; 8 Ports 1000Base-T; MAC Security

https://www.wago.com/852-1322





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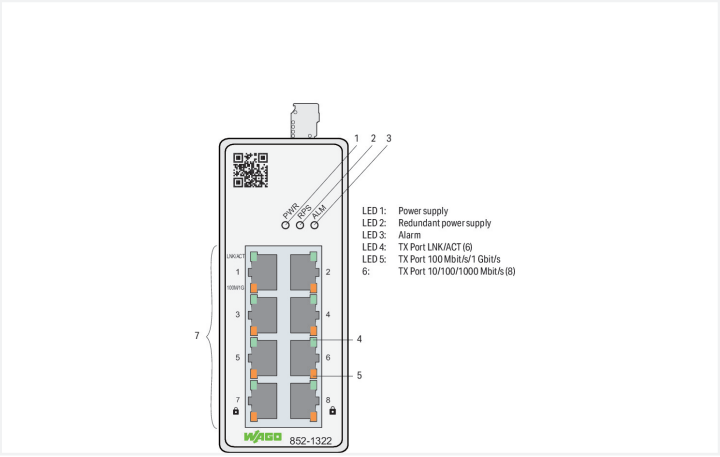

The configurable 852-1322 Industrial ETHERNET Switch is equipped with eight 10/100/1000BASE-T ports. Data encryption complies with IEEE802.1AE (MAC Security Standard) for communication via ports 7 and 8. This functionality, combined with compact dimensions, makes WAGO's managed switch ideal for retrofitting 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:

- 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

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 1 Gb/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
Current consumption (max.)	640 mA
ESD (contact/air discharge)	8 KV / 15 KV
Transmission 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

Physical data

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

Mechanical data

Mounting type	DIN-35 rail

Material data

Fire load	0 MJ
Weight	441 g

Environmental requirements

Ambient temperature (operation)	-20 … +70 °C
Ambient temperature (storage)	-40 … +80 °C
Protection type	IP30
Note on protection type	Use per UL 61010: Indoor
Pollution degree	2 per UL 61010
Relative humidity	≤ 95 % (at ≤ 55 °C; ≤ 50 % at 55 … 70 °C)
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

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Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4055143978163
Customs tariff number	85176200000

Product Classification

UNSPSC	43222612
ETIM 9.0	EC000734
ETIM 10.0	EC000734
ECCN	5A992.C

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
UL Underwriters Laboratories Inc.	UL 62368-1	E482462

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1322

Documentation

Manual

Product Manual Industrial Managed Switch	V 1.3.0 25.03.2025	pdf 8193.06 KB	

System Description

Industrial Switches – General Product Information	pdf 1873.93 KB	

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Bid Text		
852-1322	xml 7.14 KB	
852-1322	docx 31.48 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 852-1322	EPLAN Data Portal 852-1322

Runtime Software

Firmware		
0852-1322, Industrial-Managed-Switch	V 02 30.08.2021	zip 9128.03 KB

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



Item No.: 750-979/000-011
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



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



Item No.: 750-979/000-012
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



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



Item No.: 750-977/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



Item No.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



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



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Item No.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



Item No.: 750-979/000-013
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief



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



Item No.: 750-978/000-013
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief



Item No.: 750-976
PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

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1.1.2 Interface module

1.1.2.1 Interface module



Item No.: 289-195
Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

1.1.3 Power supply

1.1.3.1 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



Item No.: 787-1632
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact



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



Item No.: 787-1622
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; 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



Item No.: 787-1623
Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 2 A output current; DC OK signal



Item No.: 787-1633
Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 5 A output current; TopBoost; DC OK contact