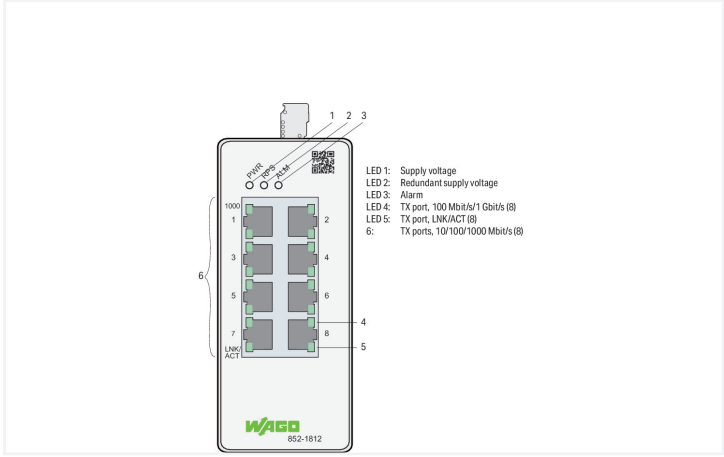
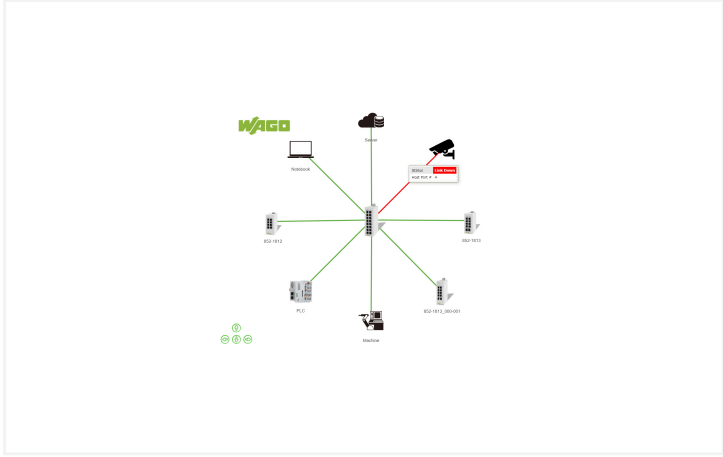




The configurable 852-1812 Industrial ETHERNET Switch is equipped with eight 10/100/1000BASE-T ports. Packaged in rugged housing, this switch offers both a redundant power supply and relay-based function monitoring. This device also streamlines network management: Commissioning and diagnostics are intuitive and can be performed without extensive IT knowledge. The topology map clearly displays the switch and connected devices. Key diagnostic information is displayed on the diagnostics dashboard. The following functions increase the robustness, availability and security of the network.

- Security:**
Network segmentation per IEEE802.1Q (max. 5 VLANs), authentication of network participants per IEEE802.1X, firewall functions using access-control list (max. 32 entries)/service control, port security
- Availability:**
Rapid Spanning Tree Protocol (RSTP) for meshed and ring networks, ETHERNET Ring Protection Switching (ERPS) for up to two rings per switch, loop detection and storm control on each port
- Configuration/Diagnostics/Maintenance:**
Port mirroring, Modbus® registers, SNMP v3, SNMP trap events, alarm threshold, port statistics, backup and restore, system log, syslog server, command line interface with SSH/Telnet, topology map and dashboard

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/FX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1Q VLAN Tagging IEEE 802.1p Prioritization IEEE 802.1X Port Authentication IEEE 802.1ab Link Layer Discovery Protocol (LLDP) IEEE 802.3az Energy Efficient Ethernet ITU-T G8032v1/v2 Ethernet Ring Protection Switching (ERPS)
Redundancy function	Redundant DC power supply; STP; RSTP; ERPSv1/v2 (max. 2 rings per switch, max. 16 switches per ring, switching time < 800 ms)
Configuration options	DIP switch for signal contact Web-Based Management Command Line Interface SNMPv1/v2c/v3
Diagnostics	Signal contact; Modbus TCP; port status; port statistics; port load; traffic monitor; syslog; SNMP traps; loop detection; diagnostics dashboard; topology map Alarm contact; Alarm relay; NO; 1 A at 24 VDC
Security	Access-control list with max. 32 entries; port security; IEEE 802.1X authentication
MAC table (size)	8000 addresses
Jumbo frame size	10000 bytes
Supply voltage	24 ... 48 VDC; (±15 %); 24 ... 48 VDC (UL)
Power consumption (max.)	10 W
Current consumption (max.)	350 mA
ESD (contact/air discharge)	8 KV / 15 KV
Transmission rate	Copper cable: 10/1000 Mbit/s
VLAN	Port-based and tag-based (max. 5 VLANs)

Connection Data	
Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45

Physical data	
Width	50 mm / 1.969 inches
Height	116 mm / 4.567 inches
Depth	100 mm / 3.937 inches



Mechanical data		
Mounting type		DIN-35 rail

Material data		
Weight		550 g
Conformity marking		CE

Environmental requirements		
Ambient temperature (operation)		-40 ... +60 °C
Ambient temperature (storage)		-40 ... +85 °C
Protection type		IP30
Note on protection type		Use per UL 61010: Indoor
Pollution degree		2 per UL 61010
Relative humidity (without condensation)		95 %
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 61000-6-4

Data Act		
Pre-contractual Information		Data-Act-AUT-Products-Switches

Commercial data		
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		TW
GTIN		4066966073003
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

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 852-1812



Documentation

Manual
Product Manual Lean Managed Switch

V 1.0.0
24.08.2020

pdf
7995.50 KB



Additional Information
852-1812, Lean Managed Switch; 8 1000BASE-T Ports

pdf
168.54 KB



Bid Text
852-1812
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ausschreiben.de 852-1812

docx
23.85 KB



x81
7.36 KB



CAD/CAE-Data

CAD data
2D/3D Models 852-1812



CAE data
EPLAN Data Portal 852-1812
ZUKEN Portal 852-1812





Runtime Software

Firmware			
0852-1812, Lean-Man- aged-Switch	V 04 27.02.2024	zip 10045.31 KB	

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

Current addresses can be found at: www.wago.com