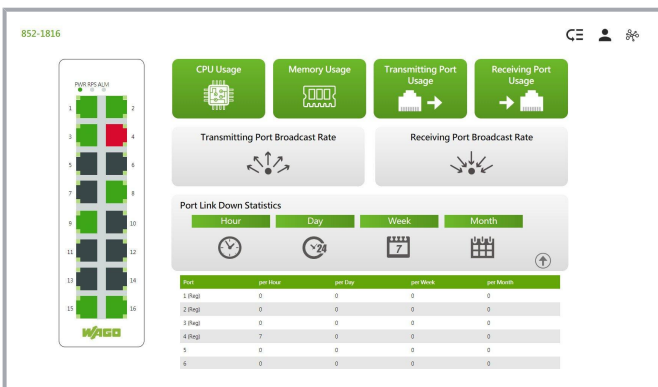
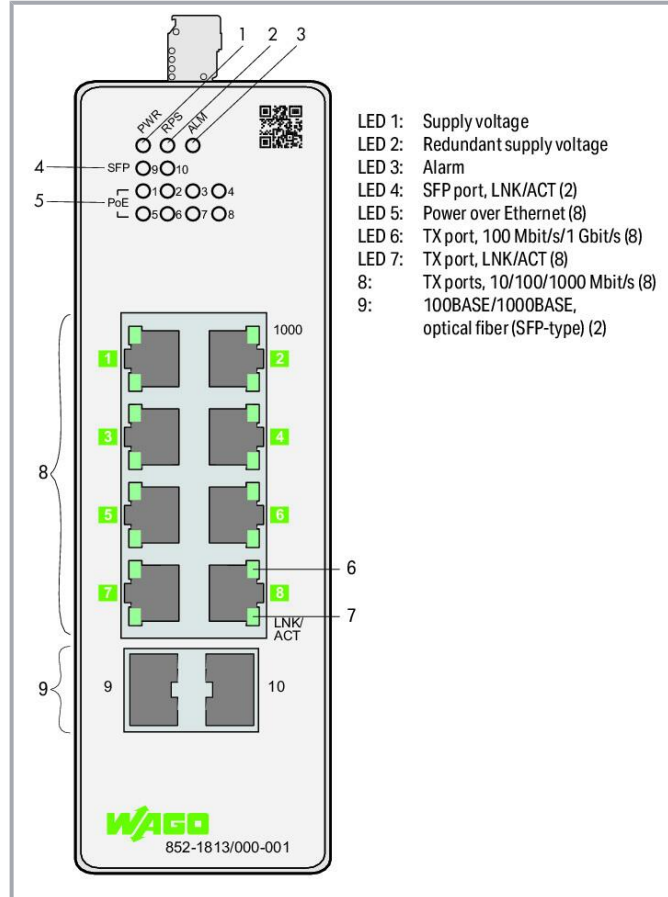


Data sheet | Item number: 852-1813/000-001

Lean Managed Switch; 8 Ports 1000Base-T; 2-Slot 1000BASE-SX/LX; 8 * Power over Ethernet



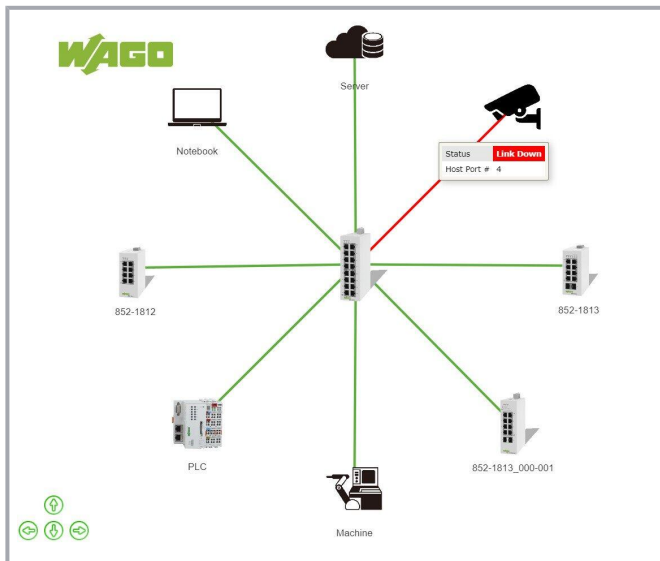
www.wago.com/852-1813/000-001



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

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

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



Successor model



Item no.852-1813/010-001

Lean Managed Switch; 8 Ports 1000Base-T; 2-Slot 1000BASE-SX/LX; 8 * Power over Ethernet

www.wago.com/852-1813/010-001

Item description

The configurable 852-1813/000-001 Industrial ETHERNET Switch features eight 10/100/1000BASE-T ports that all support Power over Ethernet (PoE+) at 30 W, and has two 100BASE-FX/1000BASE-LX/SX/ZX SFP ports (SFP modules are available as an option).

All eight PoE+ ports can be operated simultaneously (PoE power budget: 24 VDC = 120 W or 48 VDC = 240 W).

Packaged in a 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

Data

Technical data

Switching mode

Store-and-forward; non-blocking

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



Number of 1 Gbit/s ports	8
Number of 1 Gbit/s SFP ports	2
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 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+) 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
Safety	Access-control list with max. 32 entries; port security; IEEE 802.1X authentication
MAC table (size)	8000 addresses
Jumbo frame size	10000. Byte
Supply voltage	24 ... 57 VDC
Power consumption (max.)	13 W
Power consumption (note)	253 W with 8 PoE+; 30 W per port
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s; Fiber optic: 1000 Mbit/s
Transmission medium (communication/fieldbus)	Fiber optic: SX Multi-Mode, LX Single-Mode
Optical fiber type	Single-mode and multi-mode
VLAN	Port-based and tag-based (max. 5 VLANs)

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45; Fiber optic: 2 x SFP-slots (e.g., with SFP module and LC fiber-optic connector)
---	--

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



Physical data

Width	50 mm / 1.969 inches
Height	160 mm / 6.299 inches
Depth	120 mm / 4.724 inches

Mechanical Data

Weight	560 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +85 °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 61000-6-4

Commercial data

ETIM 8.0	EC000734
ETIM 7.0	EC000734
PU (SPU)	1 pcs
Country of origin	TW
GTIN	4066966072976
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

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




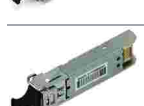

	<p>KC National Radio Research Agency</p>	<p>Article 58-2, Clause 3</p>	<p>MSIP- REM-W43- ISW852</p>
	<p>UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)</p>	<p>UL 61010-2-201</p>	<p>E175199</p>

Declarations of conformity and manufacturer's declarations

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

Optional accessories

Plugs

SFP module	Item no.:	Description
	<p>852-1200 SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM; silver-colored</p>	<p>www.wago.com/852-1200</p>
	<p>852-1210 SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; Digital Diagnostics Monitoring; silver-colored</p>	<p>www.wago.com/852-1210</p>
	<p>852-1280 SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; Digital Diagnostics Monitoring; silver-colored</p>	<p>www.wago.com/852-1280</p>
	<p>852-201/107-002 SFP Module 100BASE; FX Multi-Mode 1310 nm LC; 2 km; silver-colored</p>	<p>www.wago.com/852-201/107-002</p>
	<p>852-201/107-030 SFP Module 100BASE; LX Single-Mode 1310 nm LC; 30 km; silver-colored</p>	<p>www.wago.com/852-201/107-030</p>

Downloads

Documentation

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

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

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



Manual

Product Manual Lean Managed Switch 8 Ports 1000BASE-T; 2 Slots BASE-FX/TX; 8xPoE	V 1.1.0 2021 Mar 24	pdf 9.7 MB	Download
---	------------------------	---------------	----------

Bid Text

ausschreiben.de 852-1813/000-001		URL	Download
----------------------------------	--	-----	----------

Runtime Software

Firmware

0852-1813/0000-0001, Lean-Managed-Switch WAGO_FW0852-1813-0000-0001_V010200S0_IX03	V 03 2022 Nov 22	zip 10.2 MB	Download
---	---------------------	----------------	----------

CAD/CAE-Data

CAE data

ZUKEN Portal 852-1813/000-001		URL	Download
-------------------------------	--	-----	----------

CAD data

2D/3D Models 852-1813/000-001		URL	Download
-------------------------------	--	-----	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1813/000-001 Lean Managed Switch; 8 Ports 1000Base-T; 2-Slot 1000BASE-SX/LX; 8 * Power over Ethernet		URL	Download
--	--	-----	----------

Installation Notes

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