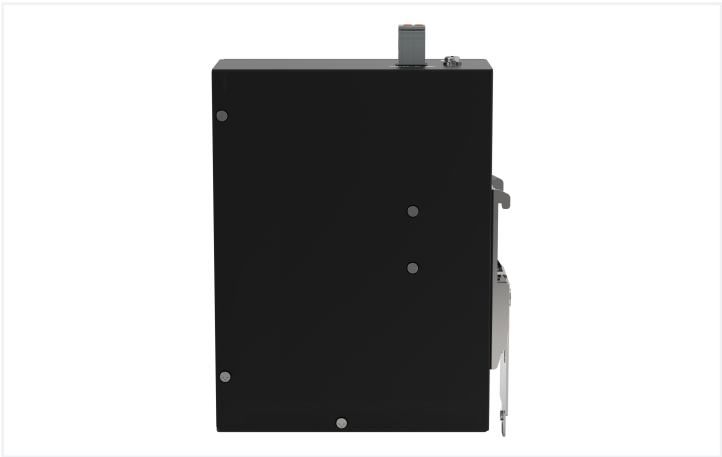
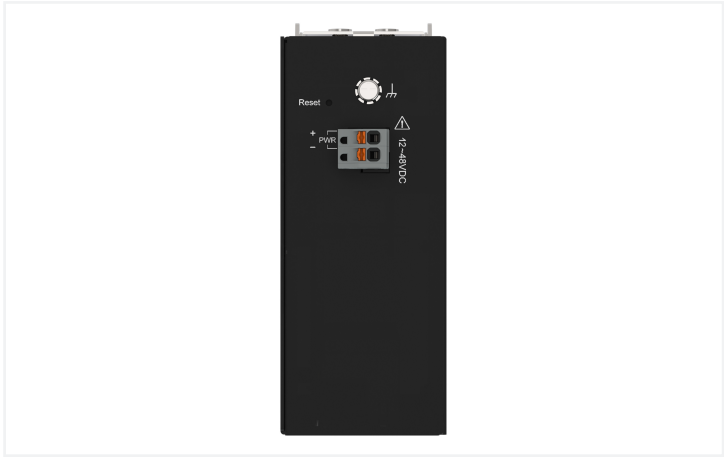
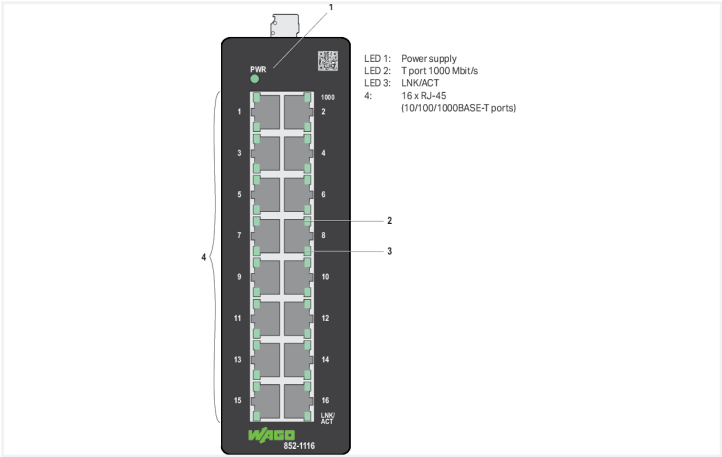




Color: ■ black metallic





The 852-1116 Switch is an industrial unmanaged ETHERNET switch with 16 Gigabit Ethernet ports, designed for the straightforward setup of small to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in control cabinets, while providing high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of transmit and receive lines (Auto MDI-X) enable straightforward plug-and-play operation, reducing time and costs during commissioning.

Key Features:

- Wide supply voltage range: 12 ... 48 VDC
- Full compliance with IEEE 802.3, 802.3u and 802.3ab 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
- Integrated address look-up table, supports up to 8000 absolute MAC addresses
- Overvoltage and reverse voltage protection
- Prioritization of ETHERNET data packets (PROFINET protocol, EtherType=0x8892) per IEEE802.1p

Technical data	
Switching mode	Store-and-forward; non-blocking
Number of 1 Gb/s ports	16
Communication standards	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p Prioritization
MAC table (size)	8000 addresses
Jumbo frame size	10000 bytes
Supply voltage	12 ... 48 VDC; (±15 %); 12 ... 48 VDC (UL)
Power consumption (max.)	14 W
Current consumption (max.)	1500 mA
Transmission rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Indicators	Device: LED (PWR), green: Supply voltage; Per port: LED (1000), green: 1000 Mbps status, LED (LNK/ACT), green: Data transfer activity



Connection Data	
Connection technology: communication/fieldbus	Copper cable: 16 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-432/001-000; included female connector (MCS Connectors): 2231-102/026-000
Physical data	
Width	50 mm / 1.969 inches
Height	160 mm / 6.299 inches
Depth	120 mm / 4.724 inches
Mechanical data	
Weight	934 g
Color	black metallic
Housing material	Aluminum
Conformity marking	CE
Environmental requirements	
Ambient temperature (operation)	-40 ... +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 61000-6-4
Fire load	0 MJ
Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4066966625127
Customs tariff number	85176200000
Product Classification	
UNSPSC	43222612
ETIM 9.0	EC000734
ETIM 10.0	EC000734
ECCN	NO US CLASSIFICATION
Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
SDoC for FCC WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 852-1116



Documentation

Manual
Industrial Switch; 16 Ports 1000Base-T

2014-10-30
19.11.2024

pdf
5534.61 KB



Bid Text
852-1116
852-1116

docx
29.51 KB



x81
6.57 KB



CAD/CAE-Data

CAD data
2D/3D Models 852-1116

