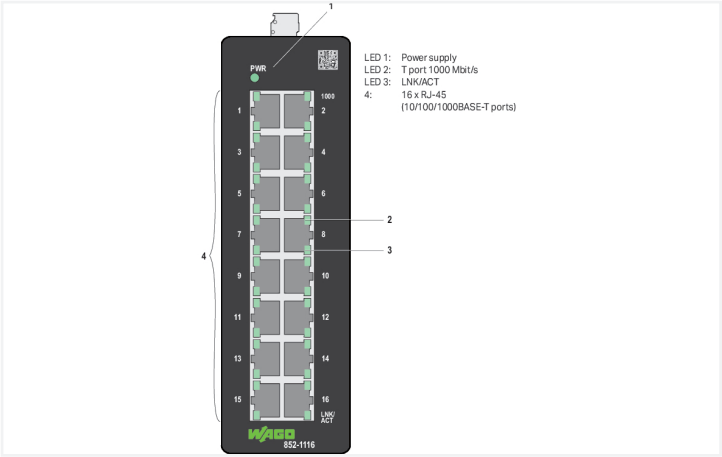


Color: ■ black metallic





This unmanaged industrial ETHERNET switch (852-1116) has 16 Gigabit ETHERNET ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation, saving time and money during commissioning.

Status LEDs, a redundant power supply and an alarm contact (configurable via DIP switch) increase the switch's redundancy and diagnostic capabilities, providing higher operational uptime.

Features:

- Wide supply voltage range: 12 ... 48 VDC
- Full compliance with IEEE 802.3i, 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: Status 1000 Mbps, 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	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
RoHS Compliance Status	Compliant,No Exemption	

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 61010-2-201	E175199	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	



CAD/CAE-Data	
CAD data	
2D/3D Models 852-1116	