Data Sheet | Item Number: 852-1116

Industrial-ECO-Switch; 16 Ports 1000Base-T; Extended temperature range; black metallic

https://www.wago.com/852-1116

Color: ■ black metallic

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LED 1:   Power supply
LED 2:   T port 1000 Mbit/s
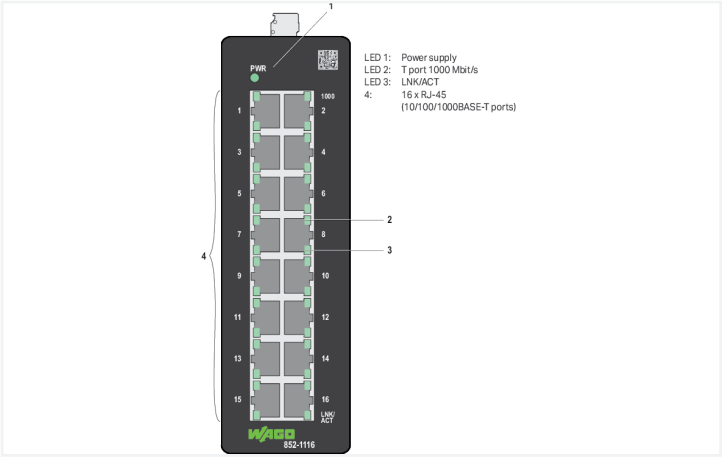LED 3:   LNK/ACT
4:       16 x RJ-45
         (10/100/1000BASE-T ports)

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 ℃
Ambient temperature (storage)	-40 … +80 ℃
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
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (ORDINARY LOCATI-ONS)	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	↓

CAD/CAE-Data

CAD data

2D/3D Models 852-1116	↓

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

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

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