



The 852-116 switch is an industrial unmanaged Ethernet switch featuring 16 RJ45 Fast Ethernet ports (10/100BASE-T/TX), designed for the cost-effective setup of small to medium-sized networks. Its compact form factor, combined with a DIN-rail adapter, enables easy installation within control cabinets while offering high resistance to vibration, shock, and temperature extremes. Automatic transmission rate detection (auto-negotiation) and automatic detection of transmit and receive lines (Auto MDI-X) facilitate simple "plug-and-play" operation, thereby helping to save both time and costs during commissioning.

#### Features:

- Wide supply voltage range: DC 12 ... 48 V
- Overload, short-circuit, overvoltage, and reverse polarity protection
- Compatible with IEEE 802.3i and 802.3u standards
- Non-blocking, store-and-forward switching
- Auto-negotiation and Auto MDI/MDIX (crossover) on all 10/100BASE-T/TX ports
- Integrated address look-up table, supports up to 16,000 absolute MAC addresses
- Forwarding of IEEE 802.1Q data packets (VLAN pass-through)

#### Technical data

Switching mode	Store-and-forward; non-blocking
Number of 100 Mbps ports	16
Communication standards	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.1Q/ 802.1p Prioritization IEEE 802.3 Autonegotiation
MAC table (size)	16000 addresses
Jumbo frame size	16000 bytes
Supply voltage	12 ... 48 VDC
Power consumption (max.)	10 W
Current consumption (max.)	800 mA
Transmission rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Indicators	Device: LED (PWR), green: Power supply; RJ-45 ports: LED (100, LNK/ACT), green: Status 100 Mbit/s, data transfer activity Port 1 ... 16

#### 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

Mounting type	DIN-35 rail
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#### Material data

Housing material	Electrolytically galvanized steel (SECC)
Weight	934 g
Conformity marking	CE

**Environmental requirements**

Ambient temperature (operation)	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP30
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

**Commercial data**

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4066966807424
Customs tariff number	85176200000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
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	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 852-116	↓
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**Documentation**

**Manual**

Product manual Industrial-ECO-Switch; 16 Ports 100Base-TX	4225683083   3   en-US   2025-09-09 06:58 16.09.2025	pdf 797.27 KB	↓
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Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)