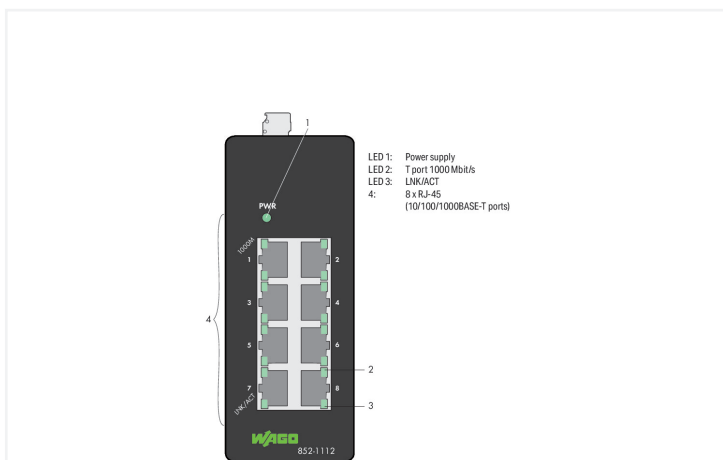




Color: ■ black



This unmanaged industrial ETHERNET switch (852-1112) has 8 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.

**Features:**

- 8 ETHERNET ports 10/100/1000 Mbit/s Autonegotiation
- Front-panel diagnostic LEDs
- Supports Auto-MDI/MDI-X functions
- Full/half-duplex transfer modes for each port
- Store-and-forward switching method
- Integrated address look-up table, supports up to 8000 absolute MAC addresses
- Overvoltage protection
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- Prioritization of ETHERNET data packets (PROFINET protocol, EtherType=0x8892) per IEEE802.1p
- DIN-35 rail mounting

### Technical data

Switching mode	Store-and-forward; non-blocking
Number of 1 Gbit/s ports	8
Communication standards	IEEE 802.3 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	9000 bytes
Supply voltage	9 ... 57 VDC
Power consumption (max.)	6 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (1000) green: Status 1000 Mbps, 1000 Mbps ports 1 ... 8

### Connection data

Connection technology: communication/fieldbus	Copper cable: 8 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	46 mm / 1.811 inches
Height	116 mm / 4.567 inches
Depth	110 mm
Depth from upper-edge of DIN-rail	99.6 mm / 3.921 inches

### Mechanical data

Weight	487 g
Color	black
Housing material	Sheet steel
Conformity marking	CE

### Environmental requirements

Ambient temperature (operation)	0 ... +60 °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	
eCl@ss 10.0	19-17-01-30
eCl@ss 9.0	19-17-01-06
ETIM 8.0	EC000734
ETIM 7.0	EC000734
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4055143500180
Customs tariff number	8517620000

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
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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			

### Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 852-1112	<a href="#">↓</a>

### Documentation

Manual				System Description	
Product Manual 8-Port 1000BASE-T Industrial ECO Switch	V 1.2.1 04.02.2021	pdf 1325.38 KB	<a href="#">↓</a>	Industrial Switches – General Product Information	pdf 1873.93 KB <a href="#">↓</a>

Bid Text			
852-1112	22.03.2019	xml 6.50 KB	<a href="#">↓</a>
852-1112	21.03.2019	doc 29.50 KB	<a href="#">↓</a>
ausschreiben.de 852-1112			<a href="#">↓</a>

CAD/CAE-Data	
<b>CAD data</b>	<b>CAE data</b>
2D/3D Models 852-1112 <a href="#">↓</a>	EPLAN Data Portal 852-1112 <a href="#">↓</a>
	ZUKEN Portal 852-1112 <a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Cables and connectors

##### 1.1.1.1 Connector plug



**Item No.: 750-979/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



**Item No.: 750-979/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief



**Item No.: 750-979/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



**Item No.: 750-979/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



**Item No.: 750-977/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



**Item No.: 750-978/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



**Item No.: 750-977/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



**Item No.: 750-978/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



**Item No.: 750-977/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



**Item No.: 750-978/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



**Item No.: 750-977/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



**Item No.: 750-978/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



**Item No.: 750-979/000-013**  
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief



**Item No.: 750-977/000-013**  
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22



**Item No.: 750-978/000-013**  
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief



**Item No.: 750-976**  
PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

## 1.1.2 Interface module

### 1.1.2.1 Interface module



**Item No.: 289-195**

Interface module; RJ-45; IDC technology;  
Cat. 6; in mounting carrier; with shield  
connection

## 1.1.3 Power supply

### 1.1.3.1 Power supply unit



**Item No.: 787-1102**

Switched-mode power supply; Compact;  
1-phase; 24 VDC output voltage; 1.3 A  
output current; DC-OK LED



**Item No.: 787-1112**

Switched-mode power supply; Compact;  
1-phase; 24 VDC output voltage; 2.5 A  
output current; DC-OK LED



**Item No.: 787-1122**

Switched-mode power supply; Compact;  
1-phase; 24 VDC output voltage; 4 A out-  
put current; DC-OK LED



**Item No.: 787-1226**

Switched-mode power supply; Compact;  
1-phase; 24 VDC output voltage; 6 A out-  
put current; DC-OK LED



**Item No.: 787-1702**

Switched-mode power supply; Eco; 1-  
phase; 24 VDC output voltage; 1.25 A out-  
put current; DC-OK LED



**Item No.: 787-1712**

Switched-mode power supply; Eco; 1-  
phase; 24 VDC output voltage; 2.5 A out-  
put current; DC-OK LED



**Item No.: 787-1722**

Switched-mode power supply; Eco; 1-  
phase; 24 VDC output voltage; 5 A output  
current; DC-OK LED