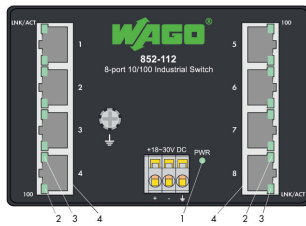




Color: ■ black





LED 1: Power supply
 LED 2: 1 port 100 Mbit/s
 LED 3: LNK/ACT
 4: 8 x RJ-45
 (10/100BASE-TX ports)

This unmanaged industrial ETHERNET switch (852-112) has eight Fast 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 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 2000 absolute MAC addresses
- Overvoltage protection
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- DIN-35 rail mounting

Technical data

| | |
|--|---|
| Switching mode | Store-and-forward; non-blocking |
| Number of 100 Mbps ports | 8 |
| Communication standards | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control |
| MAC table (size) | 2000 addresses |
| Jumbo frame size | 1536 bytes |
| Supply voltage | 18 ... 30 VDC; 24 VDC (UL) |
| Power consumption (max.) | 3 W |
| Current consumption (max.) | 200 mA |
| ESD (contact/air discharge) | 4 kV / 8 kV |
| Transmission rate | Copper cable: 10/100 Mbit/s |
| Transmission medium (communication/fieldbus) | Copper cable: Cat. 5 or higher, 100 m maximum cable length |
| Topology | Star |
| Indicators | Device: LED (PWR) green: Power supply; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT ports 1 ... 8 |

Connection Data

| | |
|---|--|
| Connection technology: communication/fieldbus | Copper cable: 8 x RJ-45 |
| Connection technology: supply | 1 x Built-in PCB terminal block: 739-103 |

Physical data

| | |
|-----------------------------------|-------------------------|
| Width | 109.2 mm / 4.299 inches |
| Height | 73.8 mm / 2.906 inches |
| Depth | 24 mm / 0.945 inches |
| Depth from upper-edge of DIN-rail | 32 mm / 1.26 inches |

Mechanical data

| | |
|---------------|--|
| Mounting type | Wall mounting (horizontal or vertical) |
| Mounting type | DIN-35 rail |

Material data

| | |
|------------------|-------------|
| Color | black |
| Housing material | Sheet steel |
| Weight | 415 g |

Environmental requirements

| | |
|--|---------------------------------|
| Ambient temperature (operation) | -40 ... +70 °C (UL max. +60 °C) |
| Ambient temperature (storage) | -40 ... +80 °C |
| Protection type | IP30 |
| Note on protection type | Use per UL 61010: Indoor |
| Pollution degree | 2 per UL 61010 |
| 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

| | |
|-----------------------|-----------------------------|
| Product Group | 27 (special components I/O) |
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | TW |
| GTIN | 4045454847586 |
| Customs tariff number | 85176200000 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 43222612 |
| eCl@ss 10.0 | 19-17-01-30 |
| eCl@ss 9.0 | 19-17-01-06 |
| 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 |
|---|------------------------|---------------------|
| EAC GZO Almaty Standart | TP TC 020/2011 | EAC CoC 03083 |
| KC National Radio Research Agency | Article 58-2, Clause 3 | MSIP-REM-W43-ISW852 |
| UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.7 |

Downloads

Environmental Product Compliance

| Compliance Search |
|--|
| Environmental Product Compliance 852-112 ↓ |

Documentation

| Manual | | | |
|--|-----------------------|-------------------|-------------------|
| Product Manual 8-Port 100BASE-TX Industrial ECO Switch | V 1.0.2 14.07.2020 | pdf 1040.42 KB | ↓ |

| Installation manual | | | |
|---|--|-------------------|-------------------|
| Gebrauchs- und Montageanleitung 852-111 / 852-112 | | pdf 1692.81 KB | ↓ |

| System Description | | | |
|---|--|-------------------|-------------------|
| Industrial Switches – General Product Information | | pdf 1873.93 KB | ↓ |

| Bid Text | | | |
|-------------------------|------------|-----------------|-------------------|
| 852-112 | 19.02.2019 | xml 4.82 KB | ↓ |
| 852-112 | 09.10.2017 | doc 27.00 KB | ↓ |
| ausschreiben.de 852-112 | | | ↓ |

CAD/CAE-Data

CAD data
2D/3D Models 852-112

CAE data
EPLAN Data Portal 852-112
WSCAD Universe 852-112
ZUKEN Portal 852-112

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.: 750-975
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly



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



Item No.: 289-175
Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm²



Item No.: 289-172
Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier



Item No.: 289-196
Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5

1.1.3 Power supply

1.1.3.1 Power Supply



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 output current; DC-OK LED



Item No.: 787-1226

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



Item No.: 787-1702

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



Item No.: 787-1712

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output 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