



This device is an industrial media converter featuring one Gigabit Ethernet port and one SFP port (100BASE/1000BASE), enabling decentralized Ethernet devices to be connected to a network via fiber-optic cable. The user can freely select the required SFP module, allowing communication over distances of up to 80 km. The ETHERNET port (IEEE 802.3at) can be used simultaneously to power PoE end devices (powered devices). (SFP modules are available separately.)

Its compact design with a DIN-rail adapter simplifies installation in control cabinets or enclosures and ensures high resistance to temperature, vibration, and shock. The unit enables plug-and-play operation with connected ETHERNET devices that use the same transmission speed.

Technical data

Number of 1 Gb/s ports	1
Number of 1 Gb/s ports SFP	1
Communication standards	IEEE 802.3u 100BASE-TX/FX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/LX IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+)
Jumbo frame size	16000 bytes
Supply voltage	48 ... 57 VDC
Power consumption (max.)	36 W
Current consumption (max.)	750 mA
Transmission rate	Copper cable: 100/1000 Mbit/s; Fiber optic: 100/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length; Fiber optic: SX Multi-Mode, LX Single-Mode
Optical fiber type	Single-mode and multi-mode
Topology	Star
Indicators	Device: LED (PWR) green: Supply voltage; T-port: LED (100/1000) green: Status 1000 Mbit/s, LNK/ACT port, LED (PoE) green: Power over Ethernet; SFP port: LED (1000, 100, L/A) green: Status 100/1000 Mbit/s, LNK/ACT port

Connection Data

Connection technology: communication/fieldbus	Copper cable: 1 x RJ-45; Fiber optic: 1 x SFP slots (e.g., with SFP module and LC fiber-optic connector)
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	60.5 mm / 2.38 inches
Height	42.5 mm / 1.67 inches
Depth	50 mm / 1.97 inches

Mechanical data

Weight	173 g
Housing material	Sheet steel
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-40 ... +75 °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 IEC 61000-6-2
EMC emission of interference	Per EN IEC 61000-6-4
Fire load	0 MJ

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4066966511765
Customs tariff number	8517620000

Product Classification

UNSPSC	43222612
ETIM 9.0	EC001467
ETIM 10.0	EC001467
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
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

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	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1702	↓
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Documentation

Manual

Product Manual Industrial Media Converter	3420918923 3 en-US 8/21/2024 13:26 22.08.2024	pdf	10484.52 KB	↓
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Bid Text

852-1702	docx	38.82 KB	↓
852-1702	x81	6.44 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
852-1702



1 Compatible Products

1.1 Optional Accessories

1.1.1 Plug

1.1.1.1 SFP module



[Item No.: 852-1210](#)

SFP Module 1000BASE; LX Single-Mode
1310 nm LC; 10 km; Extended temperature range; Digital Diagnostics Monitoring; silver-colored



[Item No.: 852-1200](#)

SFP Module 1000BASE; SX Multi-Mode
850 nm LC; 0.55 km; Extended temperature range; Digital Diagnostics Monitoring; silver-colored



[Item No.: 852-1280](#)

SFP Module 1000BASE; ZX Single-Mode
1550 nm LC; 80 km; Extended temperature range; Digital Diagnostics Monitoring; silver-colored



[Item No.: 852-202](#)

SFP Module 100BASE; FX Multi-Mode
1310 nm LC; 2 km; DDM; Extreme; silver-colored



[Item No.: 852-201/107-002](#)

SFP Module 100BASE; FX Multi-Mode
1310 nm LC; 2 km; silver-colored



[Item No.: 852-201/107-030](#)

SFP Module 100BASE; LX Single-Mode
1310 nm LC; 30 km; silver-colored