

This device is an industrial PoE injector with two Gigabit ETHERNET ports. An ETHERNET port (IEEE 802.3 af/at/bt/4PPoE) provides power to PoE (Powered over Ethernet) devices with up to 51 W. The power output of the PoE injector (Power Sourcing Equipment) is up to 60 W. Additionally, automatic transmission rate detection (auto-negotiation) and automatic detection of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation.

Its compact design with a DIN-rail adapter simplifies installation in control cabinets, offering high resistance to temperature, vibration, and shock. The integrated voltage transformer allows operation with the standard 24 VDC supply voltage used in control cabinets. Meaningful status LEDs, a redundant power supply, and an alarm contact configurable via a DIP switch enhance the availability of the PoE injector during operation and ensure easy handling.

Typical applications:

- Connecting vending machines or camera systems
- Connecting intelligent PoE-capable lighting systems
- Connecting decentralized control cabinets when using a PoE splitter

Features:

- Redundant DC power supply
- Supply voltage range: 24 ... 57 VDC
- DIP switch to set alarm functions
- Full compliance with IEEE 802.3, 802.3u and 802.3ab standards
- Autonegotiation at both 10/100/1000BASE-T ports
- Auto-MDI/MDIX (crossover) at both 10/100/1000BASE-TX ports

Technical data	
Number of 1 Gb/s ports	2
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+) IEEE 802.3bt 4-pair PoE
Supply voltage	24 ... 57 VDC
Power consumption (max.)	90 W
Current consumption (max.)	4000 mA
Transmission rate	Copper cable: 100/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or 6a , 100 m maximum cable length
Indicators	Device: LED (PWR, RPS, PoE, NBT) green: Supply voltage (primary), redundant supply voltage (secondary), Power over Ethernet, mode; LED (ALM, OL 63-66 W) red: Alarm, Overload; LED (PoE Usage (Watt)) green: 15, 30, 60 Watt; per port: LED green: Status 1000 Mbit/s, LNK/ACT port



Connection data		
Connection technology: communication/fieldbus		Copper cable: 2 x RJ-45
Connection technology: supply		1 x Built-in male connector: 231-436/001-000; included female connector (MCS Connectors): 2231-106/026-000
Physical data		
Width		25 mm / 0.98 inches
Height		116 mm / 4.57 inches
Depth		100 mm / 3.93 inches
Mechanical data		
Weight		242.8 g
Housing material		Aluminum
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		4066966512014
Customs tariff number		85176200000
Product classification		
UNSPSC		39121006
ETIM 9.0		EC003552
ECCN		NO US CLASSIFICATION
Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption



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
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Documentation

Manual
Product Manual Industrial PoE Injector 3421440011 3 en-US 8/21/2024 13:26 22.08.2024 pdf 12647.65 KB 