



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 PoE injector (Power Sourcing Equipment) delivers a power output of up to 60 W. Additionally, automatic transmission rate detection (auto-negotiation) and automatic detection of transmit and receive lines (Auto MDI-X) enable straightforward 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 supports operation with the standard 24 VDC supply voltage used in control cabinets. Clear status LEDs, a redundant power supply, and a DIP-switch-configurable alarm contact enhance the PoE injector's operational availability and ensure user-friendly handling.

Typical applications:

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

Key Features:

- Redundant DC power supply
- Supply voltage range: 24 ... 57 VDC
- DIP switch for setting alarm functions
- Full compliance with IEEE 802.3, 802.3u and 802.3ab standards
- Auto-negotiation 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	8517620000

Product Classification

UNSPSC	39121006
ETIM 9.0	EC003552
ETIM 10.0	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

Environmental Product
Compliance 852-1731



Documentation

Manual

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



CAD/CAE-Data

CAD data

2D/3D Models
852-1731

