

Protocol converter - RESYGATE 1000 - 2400128

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Protocol converter for up to 500 PV (process variables) for converting serial communication to Ethernet-based communication for modernizing or combining networks.

Product Description

Resygate 1000 is a protocol converter for up to 500 PV (process variables). It converts serial and/or TCP-based remote control protocols into standard IEC 60870-5-104 and IEC 60870-5-101 Balanced protocols. Resygate functions as a universal protocol converter with network-capable process connection. In addition, it can be used as a protocol converter or substation for network-isolated connections between control systems.

Why buy this product

- Protocol converter for 500 process variables
- 3 serial interfaces
- Converts the protocols IEC 60870-5-104, IEC 60870-5-101, Modbus/RTU, Modbus/TCP to IEC 60870-5-104 or IEC 60870-5-101
- Connection of stations via GSM or UMTS
- Connect up to 18 serial terminal devices (depending on protocol)
- Configure local stations easily using pre-installed software with automatic plausibility check
- Use IP address ranges more effectively by forming sub-networks
- Fail-safe thanks to four-fold software redundancy (one converter, four different control systems)



Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356956208

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Display

Display	without display
Screen resolution	for without

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Technical data

Display

Backlighting	without
Touch technology	without

Computer data

Processor	Intel® Atom™ N455 1.66 GHz
Cooling	passive
Operating systems	Linux
RAM	2 GB DDR3 SODIMM
Mass storage	CompactFlash®, 4 GB
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	4x USB 2.0
Monitor output	1x VGA
Slots	without slots
Supported remote control protocols	IEC 60870-5-101 Balanced Mode
	IEC 60870-5-101 Unbalanced Mode
	IEC 60870-5-104 Client
	IEC 60870-5-104 Server, max. 4 Client
	Modbus RTU Master
	Modbus TCP Master
Optical drive	without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	DIN rail mounting
Weight	1.4 kg

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Dimensions

External dimension, width	155 mm
External dimension, height	145 mm
External dimension, depth	49 mm

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Device supply

Power consumption	12.48 W (typical, at 24 V)
Power supply unit	24 V DC \pm 20 %

Standards and Regulations

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Vibration (operation)	DIN EN 60068-2-6

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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