RESYGATE 3000 - Protocol converter

2400129

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Protocol converter for up to 4000 PV (process variables) for converting serial communication to Ethernet-based communication for modernizing or combining networks.

Product description

Resygate 3000 is a protocol converter for up to 4000 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.

Your advantages

- Protocol converter for 4000 process variables
- 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
- 3 serial interfaces
- Connect up to 18 serial terminal devices (depending on protocol)
- Connection of stations via GSM or UMTS
- Fail-safe thanks to four-fold software redundancy (one converter, four different control systems)
- Configure local stations easily using pre-installed software with automatic plausibility check
- Use IP address ranges more effectively by forming sub-networks

Commercial data

Item number	2400129
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR12
Product key	DRBABA
GTIN	4046356956215
Weight per piece (including packing)	1.947 g
Weight per piece (excluding packing)	1.9 g
Customs tariff number	84715000
Country of origin	TW

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Technical data

Product properties

Product type	Industrial PC

Computer data

Processor	Intel® Celeron® N2930 1.83 GHz/2.16 GHz
Operating system	Linux
RAM	2 GB DDR3 SODIMM
Data storage system	CFast®, 4 GB
Cooling	passive
Slots	without slots
Optical drive	without drive

Display

Display type	without display
Screen resolution	without
Touch technology	Without touch technology
Display lighting type	without

System properties

Function

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

Electrical properties

Service life of battery	5 years (typical)

Supply

Power supply unit	24 V DC ±20 %

Real-time clock

Realtime clock	Yes (battery-backed)

Supply

Power consumption	typical

Interfaces

Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	3x USB 2.0

	1x USB 3.0
Monitor output	2x DisplayPort
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® 82573L

Dimensions

Width	162 mm
Height	146.2 mm
Depth	49 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °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)
Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Mounting

Mounting type	DIN rail mounting

Classifications

UNSPSC

UNSPSC 21.0	43211508

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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