

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 |  4 046356 956208 |
| GTIN | 4046356956208 |

Technical data

Note

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

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

| | |
|-----------------------|--|
| Shock | 15g, 11 ms in accordance with IEC 60068-2-27 |
| 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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