



LINE CARD

MBUS

RESI-MBUSx-SIO
RESI-MBUSx-ETH

- ✓ Collect data from up to 64 smart meter with MBUS protocol
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



S0 IMPULSE

RESI-1S0-SIO,ETH
RESI-2S0-SIO,ETH

- ✓ Count impulses from up to two S0 meters
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



DC SMART METER SHUNT MEASUREMENT

RESI-1EGYDCS-SIO,ETH

- ✓ DC smart meter
- ✓ calculates U,I,P,E
- ✓ Voltage: $\leq 100V=$
- ✓ Current: $\leq 255A$
- ✓ Measurement via external Shunt
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



DC SMART METER HALL SENSOR

RESI-1EGYDC-SIO,ETH

- ✓ DC smart meter
- ✓ calculates U,I,P,E
- ✓ Voltage: $\leq 100V=$
- ✓ Current: $\leq 255A$
- ✓ Measurement via external HALL sensor
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=





DALI 1.0 – 2.0

RESI-DALI-SIO,ETH
RESI-DALI-PS

- ✓ Control a DALI 1.0/2.0 bus system with your host controller
- ✓ Full support of DT6, DT8 lamps
- ✓ Full support of DALI 2.0 instances
- ✓ DALI power supply
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy commissioning & test with free software MODBUSConfigurator



DALI 2.0 SENSORS

RESI-RS-MD1-D
RESI-RS-OD1-D

- ✓ Motion and occupancy sensors
- ✓ DALI 2.0 protocol
- ✓ DALI bus powered



DALI 1.0 STAND ALONE

RESI-SA-DALIX-xG

- ✓ stand alone DALI controller
- ✓ controls DALI 1.0 lamps with group commands
- ✓ configuration only via DIP switch
- ✓ DALI power supply



DMX-512 MASTER

RESI-DMX-SIO,ETH

- ✓ Control a DMX universe with 512 registers
- ✓ used for all kind of DMX lamps
- ✓ Unidirectional DMX master
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



CONTROL LIGHTS

RESI-S16DI8PO-SIO
RESI-S8PO-SIO

- ✓ Switch lamps with up to 250V~, 16A per channel
- ✓ Special AgSnO₂ relay for $\leq 200\mu\text{F}$ captive load
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



RS485 ROOM CONTROL

RESI-RC-CU1-x-MB

- ✓ Room controller with 3 push buttons, 3 LEDs and 2 potentiometer
- ✓ Individual design & customer logo
- ✓ Many frames possible: GIRA, BERKER, JUNG, SIEMENS,...
- ✓ with temperature, air quality sensors
- ✓ RS485 with MODBUS/ASCII protocol
- ✓ 12-48V=



RS485 ROOM CONTROL

RESI-RC-CU2-x-MB

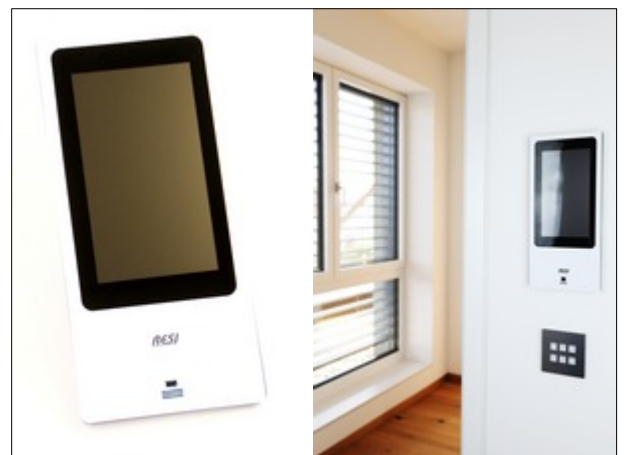
- ✓ Room controller with 6 push buttons and 6 LEDs
- ✓ Individual design & customer logo
- ✓ Many frames possible: GIRA, BERKER, JUNG, SIEMENS,...
- ✓ with temperature, air quality sensors
- ✓ RS485 with MODBUS/ASCII protocol
- ✓ 12-48V=



Raspberry Pi4® TOUCHPANEL

RESI-V7x

- ✓ 7" capacitive touch panel
- ✓ integrated Raspberry Pi4®, full LINUX®
- ✓ individual designs
- ✓ run openHAB®, home assistant®, iobroker® or own software
- ✓ with temperature, air quality, ambient light, or proximity sensors, KNX
- ✓ 12-48V=



TIME CONTROLLED SHADES&BLINDS

RESI-10RI4SB-SIO,ETH
RESI-4SB-SIO,ETH

RESI-20RI8SB-SIO,ETH
RESI-8SB-SIO,ETH

- ✓ Internal firmware for time controlled motion of the shades & blinds
- ✓ Control of 230V~ motors
- ✓ Digital inputs for 12-250Vac/dc
- ✓ Easy control via MODBUS register or ASCII commands
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



SMI® CONTROLLED SHADES&BLINDS

RESI-SMI8-SIO,ETH
RESI-SMI16-SIO,ETH

- ✓ Control up to 16 SMI motors for shades & blinds
- ✓ Complete support of all SMI commands
- ✓ Easy control via MODBUS registers or ASCII commands
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



LED STRIPES

RESI-xLED-SIO,ETH

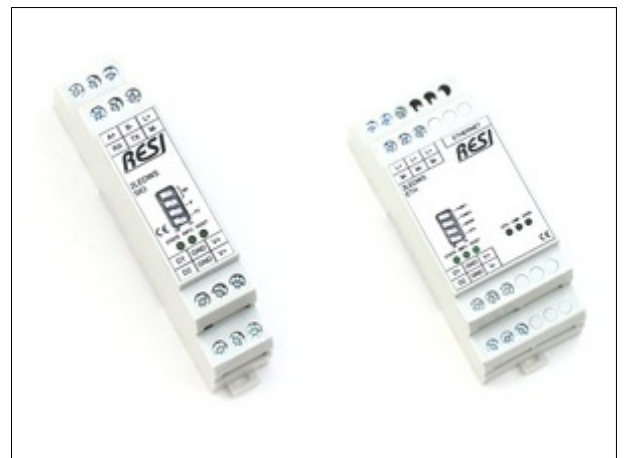
- ✓ Control mono-colour, dual-color or RGB, RGBW LED stripes
- ✓ 3 or 12 PWM channels
- ✓ for use with constant voltage LED stripes with common anode
- ✓ PWM output: $\leq 60V=$, $\leq 5A$
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



INTELLIGENT WS28xx LED STRIPES

RESI-2LEDWS-SIO,ETH

- ✓ control up to 1024 intelligent WS28xx LEDs with two lines
- ✓ each LED can have different color
- ✓ designed for WS2812 with +5V and WS2815 with +12V
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=



KNX INTEGRATION

RESI-KNX-SIO,ETH
RESI-KNX-PS

- ✓ Easy integration of KNX into your solution
- ✓ Bidirectional mapping of KNX groups to MODBUS registers
- ✓ KNX power supply $\leq 160\text{mA}$
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



KNX-ASCII

RESI-KNX-GW
RESI-KNXGW-ETH

- ✓ Simple to configure & use gateway between KNX and ASCII
- ✓ full support of all KNX data types
- ✓ ASCII protocol
- ✓ 12-48V=



Raspberry Pi4® CONTROLLER

RESI-T4-Kx-xGB

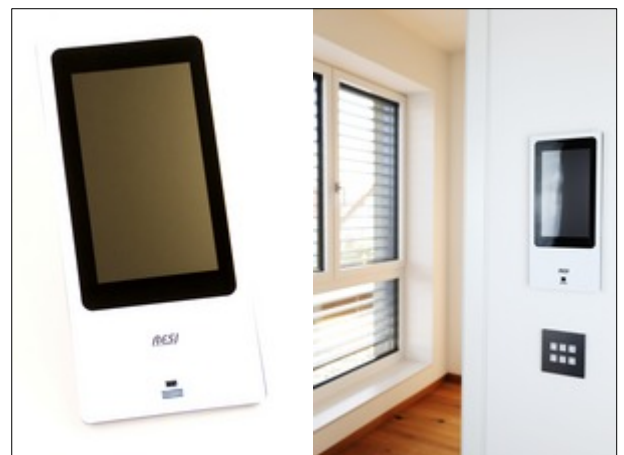
- ✓ integrated Raspberry Pi4®
- ✓ full LINUX®, runs knxd
- ✓ KNX interface, RS232 or RS485
- ✓ 2xHDMI outlets, 1xaudio
- ✓ run openHAB®, home assistant®, iobroker® or own software
- ✓ 12-48V=



Raspberry Pi4® TOUCHPANEL

RESI-V7xK-xGB

- ✓ 7" capacitive touch panel
- ✓ integrated Raspberry Pi4®, full LINUX®
- ✓ individual designs
- ✓ run openHAB®, home assistant®, iobroker® or own software
- ✓ with temperature, air quality, ambient light, or proximity sensors, KNX
- ✓ 12-48V=



KNX ↔ MODBUS MASTER

RESI-KNX-MBMASTER

- ✓ Integrate your MODBUS devices like sensors, heat pumps, smart meters ... into KNX
- ✓ MODBUS RTU master with RS232/RS485 interface
- ✓ Bidirectional data exchange
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



KNX ROOM CONTROLLER

RESI-RC-CU1-x-K RESI-RC-CU2-x-K

- ✓ Control fan coils, heating, cooling, lights, shades, air ventilation ...
- ✓ Many versions, designs, materials
- ✓ Easy configuration with DIP switch
- ✓ No need for ETS® software!
- ✓ in wall mounting
- ✓ KNX interface



KNX ROOM CONTROLLER

RESI-RC-CU3-x-K RESI-RC-CU4-x-K

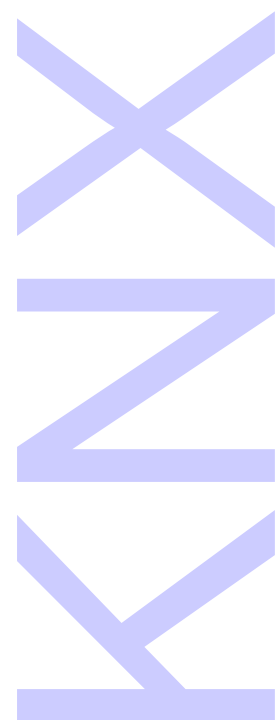
- ✓ Control fan coils, heating, cooling, lights, shades, air ventilation ...
- ✓ Many versions, designs, materials
- ✓ Easy configuration with DIP switch
- ✓ No need for ETS® software!
- ✓ On wall mounting
- ✓ KNX interface



KNX CLOCKs

RESI-RTCx-KP

- ✓ clocks with 7 segment display
- ✓ KNX interface



ENOCEAN

RESI-ENO-SIO,ETH

- ✓ Use all kinds of ENOCEAN® devices & sensors in your solution
- ✓ Unidirectional mapping of ENOCEAN data to MODBUS registers
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



ENOCEAN ESP3®

RESI-ENO-GW RESI-ENOGW-ETH

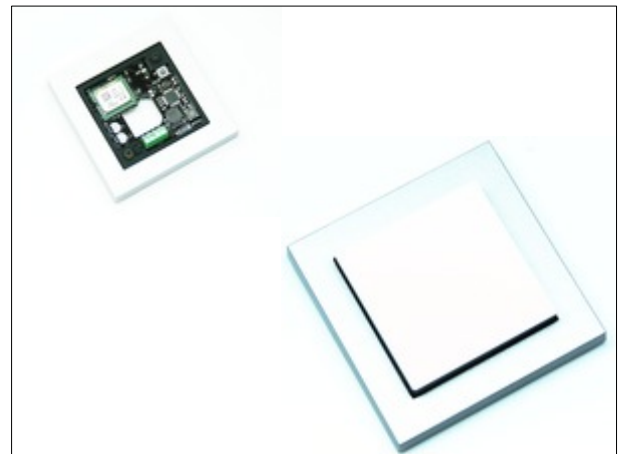
- ✓ Bidirectional ENOCEAN® gateway based on ESP3® (ENOCEAN serial protocol 3)
- ✓ use controllers like WAGO, BECKHOFF,.. which support EPS3 protocol
- ✓ use DolfinView®, openHAB®, home assistant® with our gateway
- ✓ 12-48V=



ENOCEAN ↔ KNX GATEWAY

RESI-RG-ENO2-K

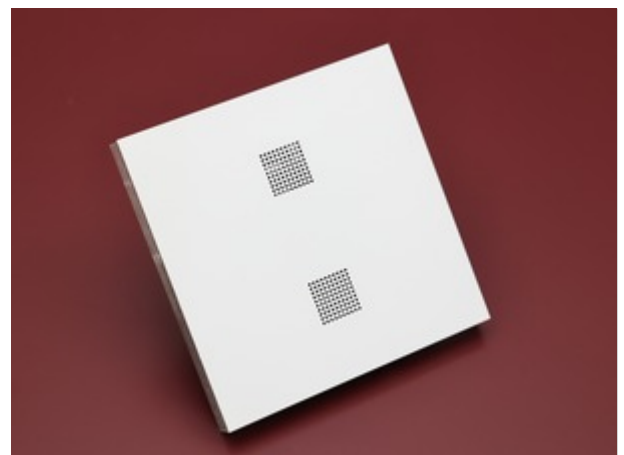
- ✓ Use all kinds of ENOCEAN® devices & sensors in your solution
- ✓ Unidirectional mapping of ENOCEAN data to KNX groups
- ✓ Integrated antenna
- ✓ On wall mounting
- ✓ 12-48V=
- ✓ Special mapping software



ENOCEAN ↔ RS485 GATEWAY

RESI-RG-ENO1-MB

- ✓ Use all kinds of ENOCEAN® devices & sensors in your solution
- ✓ Unidirectional mapping of ENOCEAN data to MODBUS registers
- ✓ Integrated antenna and sensors
- ✓ In wall mounting
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Special mapping software



RESI-IO MODULES

RS485 or ETHERNET INTERFACE

MODBUS & ASCII PROTOCOL

Professional IO modules in various sizes and with many different IO combinations

- Digital Inputs
- Digital outputs with diagnostic
- Relay outputs
- Analog in/outputs
- RTD sensor inputs
- Multifunctional analog in or outputs
- ...

RESI-xxx-SIO,ETH

- ✓ Various versions with integrated IOs
- ✓ MODBUS/ASCII protocol
- ✓ 12-48V=
- ✓ Easy configuration & test with free software MODBUSConfigurator



RESI-T4

COMPACT IoT CONTROLLER

Based on the Raspberry Pi4®

Use with LINUX®, CODESYS®,
NodeRED®, OpenHAB®,
Home Assistant®, and many more

Professional IoT Controller with up
to three serial RS232 or RS485
interfaces

Versions with build-in KNX and
CAN/CAN FD

RESI-T4-Z-xGB

- ✓ Raspberry Pi4® inside
- ✓ Preinstalled Raspian LINUX®
- ✓ RAM: 2/4 or 8GB
- ✓ SD CARD: 32GB
- ✓ 12-48V=

KNX versions:

RESI-T4-KA-xGB: 2x485

RESI-T4-KB-xGB: 1x485+1x232

RESI-T4-KC-xGB: 2x232

Serial versions:

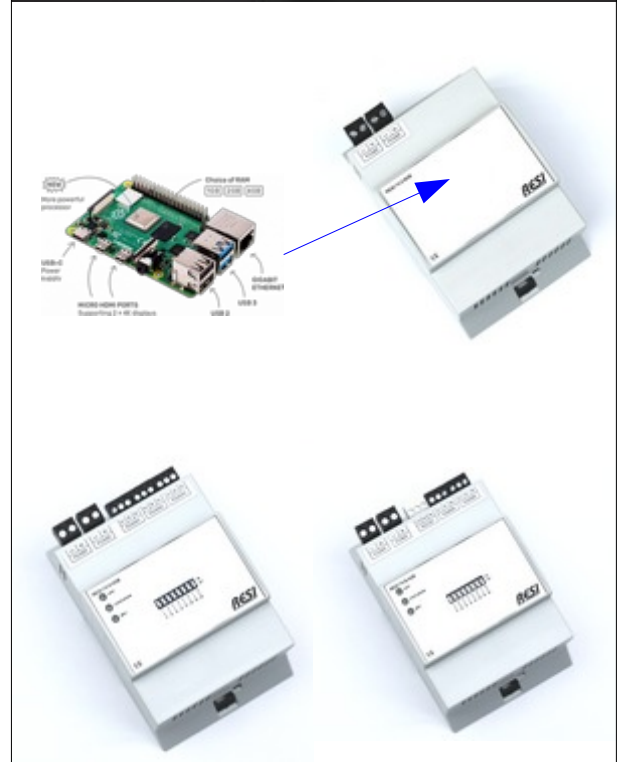
RESI-T4-A-xGB: 3x485

RESI-T4-B-xGB: 2x485+1x232

RESI-T4-C-xGB: 1x485+2x232

RESI-T4-D-xGB: 3x232

- ✓ Raspberry Pi4® inside
- ✓ Preinstalled Raspian LINUX®
- ✓ RAM: 2/4 or 8GB
- ✓ SD CARD: 32GB
- ✓ ARM Co-processor connected via USB
- ✓ All serials and KNX appear as native dev/ttyACMx to LINUX
- ✓ Automatic direction control of RS485
- ✓ KNX can be used by KNXD
- ✓ DIP switch and LEDs for software use
- ✓ Integrated real time clock with backup capacitor for ~1 week
- ✓ 2kB Ferromagnetic RAM for persistent data
- ✓ 12-48V=



RESI-C4

COMPACT IoT CONTROLLER with LTE, 2nd Ethernet and IOs

Based on the Raspberry Pi
Compute Module 4®

Use with LINUX®, CODESYS®,
NodeRED®, OpenHAB®,
Home Assistant®, and many more

Additional LTE modem inside
Additional GPS receiver inside
Optional 2nd Ethernet Interface

Additional integrated IOs in
many different combinations:

- Digital Inputs
- Digital outputs with diagnostic
- Relay outputs
- Analog in/outputs
- RTD sensor inputs
- Multifunctional analog
in or outputs
- ...

RESI-C4-A-xxx-xGB

RESI-C4-A-xxx-xGB-2E

RESI-C4-A-xxx-xGB-LTE

- ✓ Raspberry Pi Compute Module 4® inside
- ✓ Preinstalled Raspian LINUX®
- ✓ RAM: 2/4 or 8GB
- ✓ SD CARD: 32GB
- ✓ ARM Co-processor connected via USB
- ✓ One serial RS485 appears as native
dev/ttyACMx to LINUX
- ✓ Automatic direction control of RS485
- ✓ DIP switch and LEDs for software use
- ✓ Integrated real time clock with backup
capacitor for ~1 week
- ✓ 2kB Ferromagnetic RAM for
persistent data
- ✓ 12-48V=



RESI-C4

COMPACT IoT CONTROLLER with LTE, 2nd Ethernet and IOs

Based on the Raspberry Pi
Compute Module 4®

Use with LINUX®, CODESYS®,
NodeRED®, OpenHAB®,
Home Assistant®, and many more

Additional LTE modem inside
Additional GPS receiver inside
Optional 2nd Ethernet Interface

Additional integrated IOs in
many different combinations:

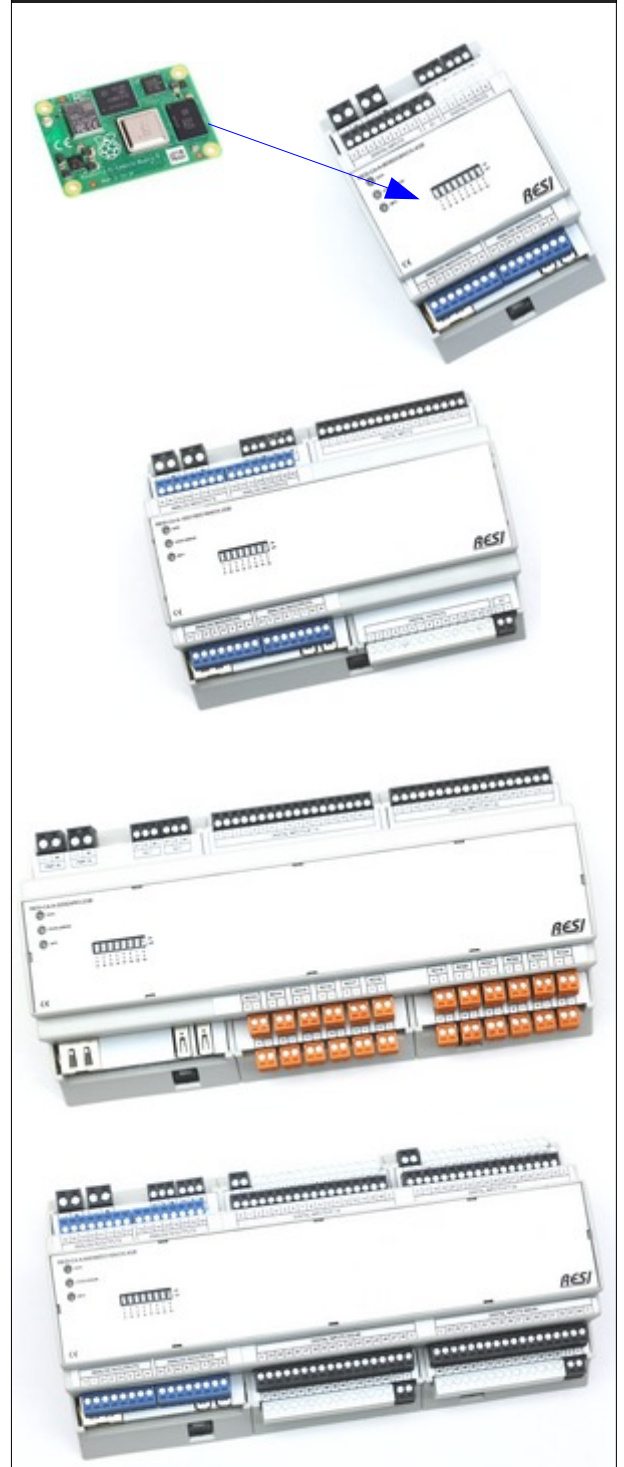
- Digital Inputs
- Digital outputs with diagnostic
- Relay outputs
- Analog in/outputs
- RTD sensor inputs
- Multifunctional analog
in or outputs
- ...

RESI-C4-A-xxx-xGB

RESI-C4-A-xxx-xGB-2E

RESI-C4-A-xxx-xGB-LTE

- ✓ Raspberry Pi Compute Module 4® inside
- ✓ Preinstalled Raspian LINUX®
- ✓ RAM: 2/4 or 8GB
- ✓ SD CARD: 32GB
- ✓ ARM Co-processor connected via USB
- ✓ One serial RS485 appears as native
dev/ttyACMx to LINUX
- ✓ Automatic direction control of RS485
- ✓ DIP switch and LEDs for software use
- ✓ Integrated real time clock with backup
capacitor for ~1 week
- ✓ 2kB Ferromagnetic RAM for
persistent data
- ✓ 12-48V=



RESI-C4

COMPACT IoT CONTROLLER with LORAWAN, optional with LTE, 2nd Ethernet

Based on the Raspberry Pi
Compute Module 4®

ChirpStack®, MOSQUITTO®
preinstalled

Use with LINUX®, CODESYS®,
NodeRED®, OpenHAB®,
Home Assistant®, and
many more

Additional LTE modem inside
Additional GPS receiver inside
Optional 2nd Ethernet Interface

RESI-C4-A-LORA-xGB

RESI-C4-A-LORA-LTE-xGB

RESI-C4-A-LORA-LTE-2E-xGB

- ✓ Raspberry Pi Compute Module 4® inside
- ✓ Preinstalled Raspbian LINUX®
- ✓ RAM: 2/4 or 8GB
- ✓ SD CARD: 32GB
- ✓ LORAWAN receiver
- ✓ 2nd Ethernet
- ✓ LTE modem QUECTEL EC25
- ✓ GNSS receiver
- ✓ Wifi Antenna
- ✓ ARM Co-processor connected via USB
- ✓ One serial RS485 appears as native dev/ttyACMx to LINUX
- ✓ Automatic direction control of RS485
- ✓ DIP switch and LEDs for software use
- ✓ Integrated real time clock with backup capacitor for ~1 week
- ✓ 2kB Ferromagnetic RAM for persistent data
- ✓ 12-48V=

Raspberry Pi is a trademark of the
Raspberry Pi Foundation.
More information under
www.raspberrypi.org



RESI-VIEW7x

IoT TOUCHPANEL with RS232 or KNX

Based on the Raspberry Pi4®

Use with LINUX®, CODESYS®,
NodeRED®, OpenHAB®,
Home Assistant®, and many more

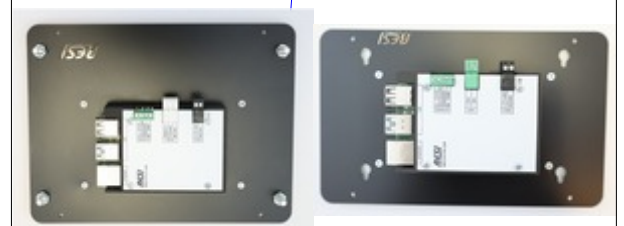
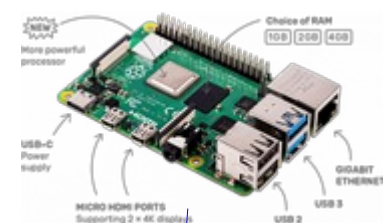
Designed for In-wall mounting
or mounting into a
control cabinet door

Optional integrated sensors for
temperature, proximity and
ambient brightness

Versions with additional
RS232 or KNX interface

RESI-V7x-xGB

- ✓ 7" IoT touch panel controller
- ✓ Raspberry Pi 4B® inside
- ✓ LINUX® OS preinstalled
- ✓ SD CARD: 32GB
- ✓ RAM: 2/4/8GB
- ✓ 7" multi-touch display 800x480
- ✓ RGB LCD display
- ✓ 24-bit color depth
- ✓ 10-point multi-touch screen
- ✓ backlight lifespan: 20,000 hours
- ✓ 12-48V=





SWITCH 7xRJ45

RESI-SW-7GB

- ✓ 7 ports for RJ45:
5x10/100/1000 and
2x1000
- ✓ unmanaged switch
- ✓ Extreme small, only 35x110x60mm
- ✓ 12-48V=



SWITCH 5xRJ45

RESI-SW-5GB

- ✓ 5 ports for RJ45: 10/100/1000
- ✓ unmanaged switch
- ✓ Extreme small, only 35x110x60mm
- ✓ 12-48V=



SWITCH 5xRJ45 and 2xSFP slots

RESI-SW-7GB

- ✓ 5 ports for RJ45 and 2 SFP slots:
5x10/100/1000 and
2xSFP for fiber optic modules
- ✓ unmanaged switch
- ✓ Extreme small, only 35x110x60mm
- ✓ 12-48V=



USB ↔ RS232 or RS485

RESI-USB-SIO

- ✓ USB 1.1/2.0 interface
- ✓ RS232 or RS485
- ✓ Chipset: Silicon Labs CP2103



USB ↔ 3xRS485

RESI-USB-SIO3

- ✓ USB 1.1/2.0 interface
- ✓ 3xRS485
- ✓ Chipset: STM32



USB ↔ RS232 or RS485

RESI-USB-BOX

- ✓ USB 1.1/2.0 interface
- ✓ RS232 or RS485
- ✓ Selectable by switch
- ✓ Chipset: Silicon Labs CP2103



USB 900mA POWER SUPPLY

RESI-USB-PS

- ✓ Delivers up to 900mA current on the USB
- ✓ 12-48V=



24V= POWER SUPPLY

RESI-PS-65W-24V

- ✓ Output: 24Vdc, max. 2.71A, 65W
- ✓ Primary supply: 80-264Vac, 47-63Hz
- ✓ 6 removable 2-pin plugs to distribute the voltage
- ✓ Size: 5MU
- ✓ LxWxH: 87.8x110x62mm



TELECOM 24V= POWER SUPPLY

RESI-T-PS-65W-24V

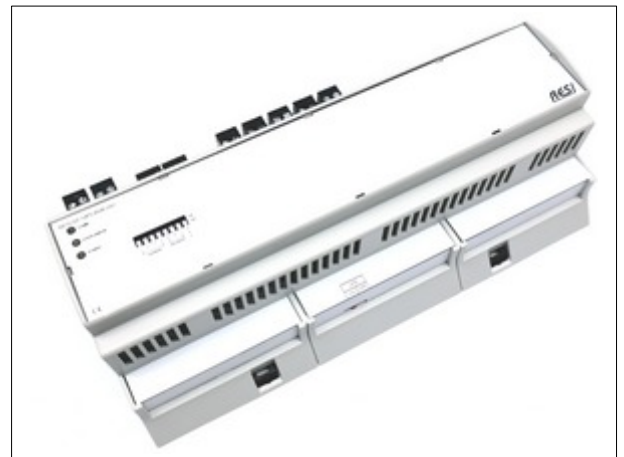
- ✓ Output: 24Vdc, max. 2.71A, 65W
- ✓ Primary supply: 36-60Vdc
- ✓ Special for TELECOM applications
- ✓ 6 removable 2-pin plugs to distribute the voltage
- ✓ Size: 5MU
- ✓ LxWxH: 87.8x110x62mm



DC UNINTERRUPTABLE POWER SUPPLY

RESI-DC-UPS-60W-24V

- ✓ Output: 24Vdc, max. 2.5A, 60W
- ✓ Primary supply: 24Vdc +/-10%
- ✓ 5 removable 2-pin plugs to distribute the voltage
- ✓ Size: 12MU
- ✓ LxWxH: 213x110x62mm
- ✓ Internal Li-Ion accumulator for approx. 30 minutes



POWER SUPPLY for DALI or KNX

RESI-DALI-PS RESI-KNX-PS

- ✓ RESI-DALI-PS: Delivers up to 200mA current for the DALI bus
- ✓ RESI-KNX-PS: Delivers up to 160mA current for the KNX bus
- ✓ Size: 1MU
- ✓ LxWxH: 17.5x90x58mm
- ✓ Primary input: 12-48V=





RESI-xxx-SIO
RESI-xxx-ETH

On basis of information, for instance based on WISSEN-ETH protocol and RESI-Net protocol the building automation and structural automation.

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