

# LM5p2-RI03LTE - LogicMachine5 Reactor IO V3 Power LTE

LogicMachine is a secure and versatile IoT edge controller designed for building automation in residential, commercial and industrial environments.

## Physical interfaces

|                                 |                                     |
|---------------------------------|-------------------------------------|
| KNX/TP                          | 1                                   |
| RJ45                            | 1                                   |
| RS-485                          | 1                                   |
| RS-485 / RS-232                 | 1 (switchable in software)          |
| USB 2.0                         | 1                                   |
| Analog inputs / Digital outputs | 16 (Inputs: 0-30 V / Outputs: 24 V) |
| Analog outputs                  | 2 (0-10 V)                          |

## Radio interfaces

|     |                      |
|-----|----------------------|
| LTE | 1 (antenna included) |
|-----|----------------------|

## Power

|                   |                                      |
|-------------------|--------------------------------------|
| Power supply      | 24 V DC via terminals or passive PoE |
| Power consumption | 1.6 W (minimum, no external load)    |

## Connections

|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| KNX bus bus                | Bus connection terminal, 0.8 mm <sup>2</sup>                |
| Power supply and I/O ports | Screw terminals, 0.8 mm <sup>2</sup> .. 1.5 mm <sup>2</sup> |

## Indicators

|       |                                        |
|-------|----------------------------------------|
| LED 1 | Green – System load                    |
| LED 2 | Green – Normal operation / Red – Reset |

## Enclosure

|                         |                   |
|-------------------------|-------------------|
| Mounting support        | DIN rail          |
| DIN module width        | 6                 |
| Dimensions WxHxD        | 108 x 112 x 61 mm |
| IP degree of protection | IP20              |
| Net weight              | 256 g             |

## Standards compliance

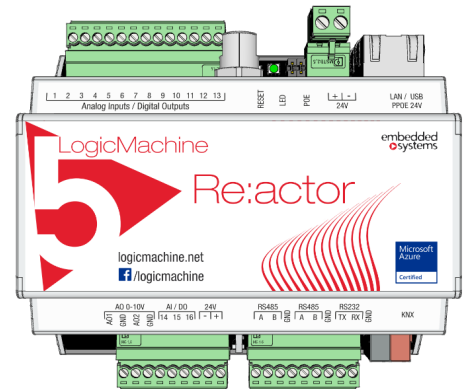
|     |                          |
|-----|--------------------------|
| EMC | EN61000-6-1; EN61000-6-3 |
|-----|--------------------------|

## Environment

|                         |                                   |
|-------------------------|-----------------------------------|
| Operational temperature | 0 °C .. +45 °C                    |
| Storage temperature     | -15 °C .. +55 °C                  |
| Relative humidity       | 0% ... 93% (without condensation) |

## Warranty

2 years



## Key highlights

### Seamless integration

Interconnects CANx, KNX, Modbus, BACnet, MQTT and other automation protocols.

### Cloud-ready

Supports connectivity to Microsoft Azure, AWS and other IoT platforms.

### Low-power & scalable

Optimized for low energy use. Ideal for residential, commercial & industrial deployments.

### Third-party services & voice control

Compatible with Amazon Echo, Apple HomeKit, Google Home and other third-party services.

### Customizable automation

Lua scripting support for advanced automation, logic and data handling.

### Web interface

Modern visualization on PCs & touch devices with real-time control & monitoring.

### App store & extensibility

Install prebuilt applications or create your own for specific use cases.

### Security & access control

Supports KNX Data Secure, KNX/IP secure routing, and user-level permissions.

### Remote KNX bus access

Complete system control and KNX device programming from anywhere using VPN or ZeroTier service.

### Privacy-oriented

Fully operational without internet access, no telemetry and user data collection.

[logicmachine.net](http://logicmachine.net)