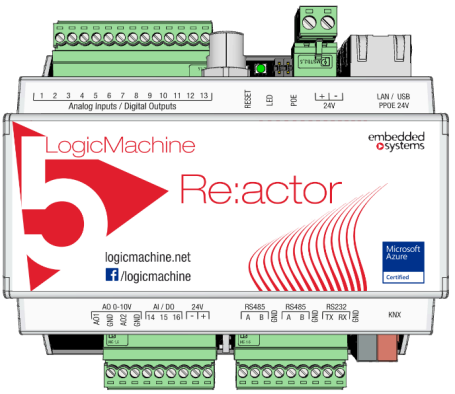
Embedded Systems SIA
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LM5p2-RIO3LTE - LogicMachine5 Reactor IO V3 Power LTE

LogicMachine is a secure and versatile IoT edge controller designed for building automation in residential and commercial 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^2
Power supply and I/O ports	Screw terminals, 0.8 mm^2 .. 1.5 mm^2

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.

Safety information, installation and general cybersecurity guidelines

logicmachine.net

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV ISO 9001:2015

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