

new



LM5P-PMU

LM5 is an embedded platform for building and home automation applications with integrated Ethernet, USB, KNX/EIB, serial interfaces. Its the easiest way to program complex logic in KNX/EIB, Modbus, BACnet, DALI, 1-wire networks. LM5 allows to efficiently customize building automation processes, easily delivering unlimited flexibility benefit to end users in a cost-effective way.

- Storage temperature: -15°C + 45°C
- Standards: EN61000-6-1/EN61000-6-3
- Remote KNX bus control and KNX device reprogramming
- Embedded Webserver providing visualization platform for PC and for touch devices
- LM5 used as cross-standard gateway, logic engine, visualization platform, IP Router
- For use a Gateway and uniform way of control of KNX, ModBus RTU/TCP, BACnet IP, DMX, M-Bus, GSM and more

| type                       | description   | dimensions (mm) |   |     |
|----------------------------|---|-----------------|---|-----|
|                            |   | (H)             | (W)   | (D) |
| <b>LogicMachine5 power</b> | <i>DIN rail mount (4 DIN units)</i>   | PoE enabled     |   |     |
|                            | <ul style="list-style-type: none"> <li>• KNX/EIB, ModBus, BACnet IP</li> <li>• 1 x RS485</li> </ul> |                 | <ul style="list-style-type: none"> <li>• 1 x USB</li> <li>• 1 x RS485/RS232 (switchable in software)</li> </ul> |     |
| <b>LM5P-PMU</b>            | automation server   | 90              | 70  | 61  |
| <b>LM5P-DW1*</b>           | automation server with DALI   | 90              | 70  | 61  |
|                            | * 2 x DALI master ports / 2 x 1-wire optimised for long lines                                       |                 |   |     |

**Accessories for above LogicMachine5**

**POE injector (Ethernet switch)** low-profile 4 DIN enclosure

The device is a 5-port Ethernet switch with possibility to select specific ports as passive Power-over-Ethernet outputs to power LogicMachine or other devices which support PoE.

- 2 x 18 - 28 VDC input power supply supported (750mA max.)
- 5 x 10/100 Ethernet (PoE out supported and selectable via jumpers)
- Quality of Service with packet (KNX telegrams) prioritisation in IP network

|               |                 |    |    |    |
|---------------|-----------------|----|----|----|
| <b>SWITCH</b> | Ethernet switch | 91 | 70 | 32 |
|---------------|-----------------|----|----|----|

**Power supply (with choke)**

CHOKE-KNX can be used in any KNX/EIB installation where high reliability is required by supporting external powering mechanisms. In the event one power sources fails, the CHOKE- KNX automatically switches to backup power.

- 3 x 18 - 28 VDC input power supply supported
- 1 x 24 VDC backup with charging capability
- 1 x 24 VDC output 640mA
- 1 x KNX output bus power supply at 640mA

|                  |              |    |    |    |
|------------------|--------------|----|----|----|
| <b>CHOKE-KNX</b> | power supply | 90 | 52 | 51 |
|------------------|--------------|----|----|----|

**DALI gateway (RS485)**

DALI (Digitally Addressable Lighting Interface) RS485 gateway is a device specially designed for management and control of DALI dimmable lights which connects to the LogicMachine5. In DALI-bus segment a master can control up to 64 individually addressable slaves ballasts.

- Input power supply required: 18 - 28 VDC power supply for gateway  
16 - 18 VDC power supply for the DALI bus
- 1 x DALI output with support of up to 64 ballasts
- 1 x RS485 Connection to LogicMachine5

|                      |                       |    |    |    |
|----------------------|-----------------------|----|----|----|
| <b>LMA-DALIRS485</b> | DALI gateway to RS485 | 91 | 36 | 56 |
|----------------------|-----------------------|----|----|----|

**Universal I/O modules**

Universal 20 channel IO device designed to be used in meter reading applications or other building automation applications as an extension module to LogicMachine devices.

- 1 x 24 DC input power supply supported
- 16 x Universal Input /Outputs (analog 0 - 30V inputs, binary inputs, digital outputs)
- 4 x analog input (analog 0 - 30V inputs, binary inputs)
- 1 x RS485 connection to LogicMachine5

|               |                       |    |    |    |
|---------------|-----------------------|----|----|----|
| <b>UIO20E</b> | 20 channel I/O module | 91 | 70 | 56 |
|---------------|-----------------------|----|----|----|

**Flush-mount I/O module ( for KNX/EIB BUS)**

Flush mounted device with 5 binary inputs with temperature sensor and thermostat is simply mounted on the backside of the conventional switch and makes it as a KNX sensor. In total 5 push buttons can be connected to one device.

- 1 x 29 VDC input power supply via KNX bus port
- 1 x embedded temperature sensor

|              |                        |    |    |    |
|--------------|------------------------|----|----|----|
| <b>EXT-2</b> | flush mount I/O module | 25 | 43 | 43 |
|--------------|------------------------|----|----|----|



LMA-DALIRS485

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UIO20E