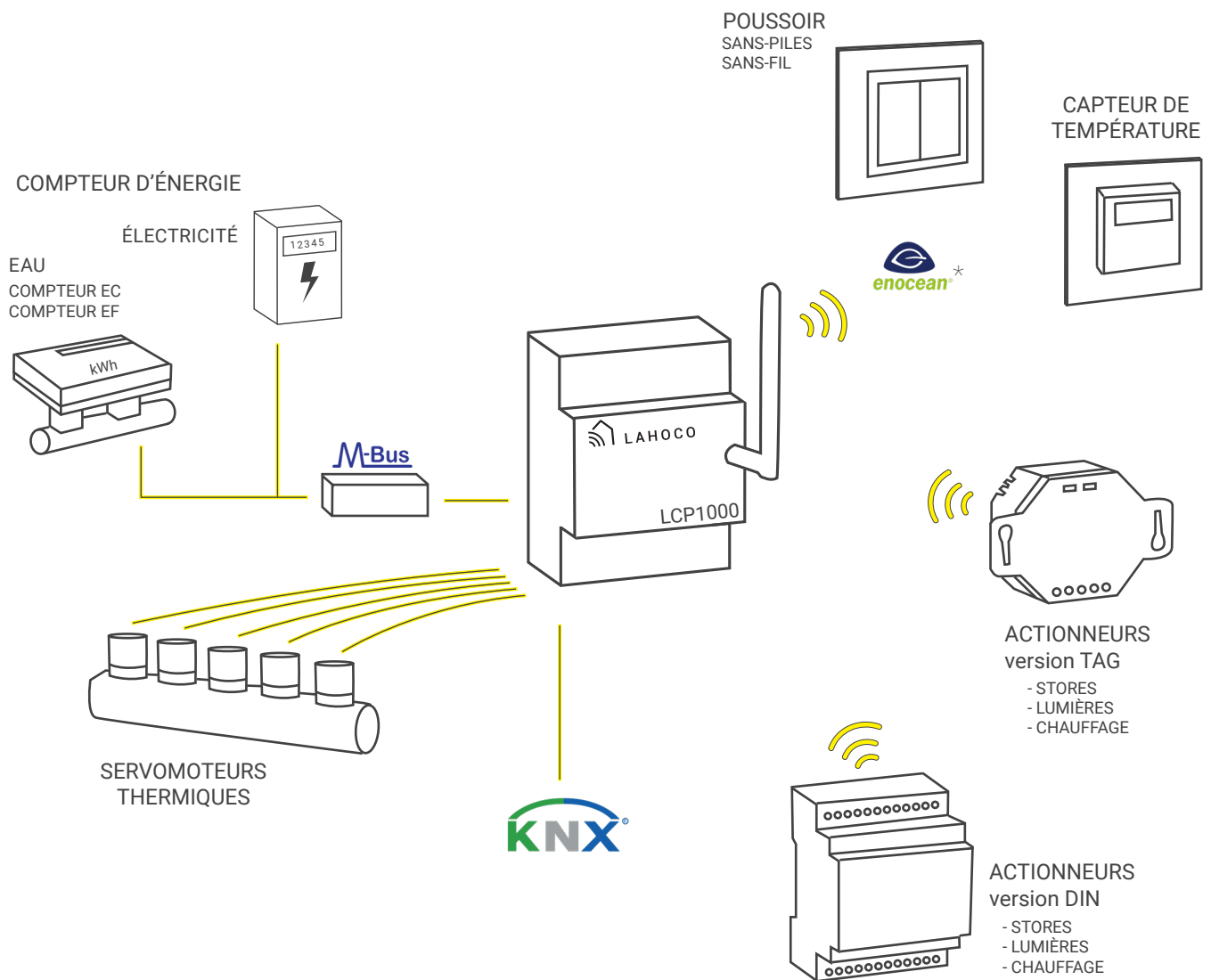


## LCP1000

Lahoco Core Pro



\* Protocole ouvert

# LCP1000

## Product datasheet

### ■ Description

Lahoco Core Pro 1000 (LCP1000) is a logical controller with multiprotocol gateway designed for running Lahoco Core. The device can be mounted on a DIN rail for easy electrical panel integration. LCP1000 is the most suitable solution for operating Lahoco in a new building construction or for an electrical renovation.



### ■ Commercial Information

Art. 400002	Lahoco Core Pro Server LCP-1000 DIN
Art. 800000	Antenna with suction cup 868Mhz 5dbi SMA and cable length 3m
Art. 500000	M-Bus to RS485 Converter up to 4 slave
Art. 500001	KNX TCP/IP Interface
Art. 671018	KNX power supply 640mA

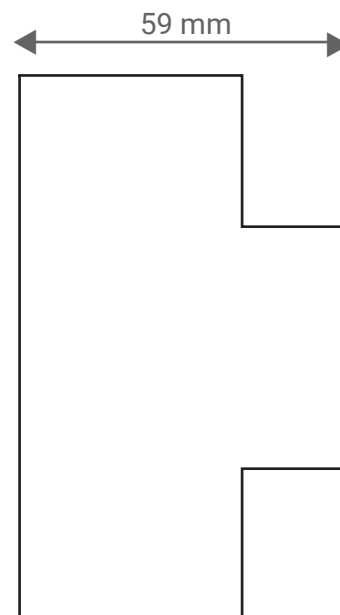
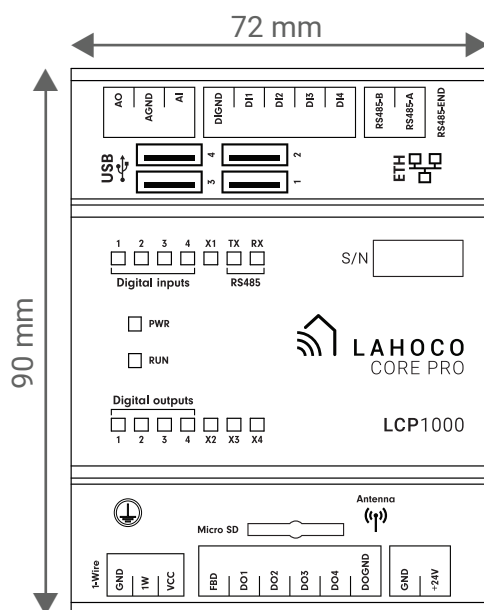
### ■ Features

- Build for use with Lahoco Energy and for Lahoco Smart Home
- Integrated EnOcean Receiver 868 Mhz
- 4x Digital Inputs
- 4x Digital Outputs
- 1x Analog Input
- 1x Analog Output
- 1x RS485
- Mbus<sup>1)</sup>
- KNX<sup>2)</sup>

<sup>1)</sup> Need an optional converter. Art 500000

<sup>2)</sup> Need a optional TCP/IP Interface. Art 500001

### ■ Dimensions



# LCP1000

## Product datasheet

### Communication

Ethernet	1x 10/100BaseT
Serial channels	1x RS485, 1x 1-Wire
Transmission speed RS485	9.6 .. 115 kbps
Galvanic isolation RS485	Yes
Galvanic isolation 1-Wire	Yes

### Digital inputs

Number of inputs x groups	4 x 1
Common connector	DIGND
Galvanic isolation	Yes
Functions of inputs	Signalization, counter, Direct Switch
Operation range	5 - 40 V DC
Input voltage of log. 0	Max. 3,5 V DC
Input voltage of log. 1	Min. 5 V DC
Input resistance of log. 1	6 200Ω
Delay 0->1/1->0	20 μs / 60 μs

### Digital outputs

Number of outputs x groups	4 x 1
Common connector	DOGND
Galvanic isolation	No
Type of output	Transistor
Additional functions	PWM
Switchable voltage	5 – 50 V DC
Switchable current continual/pulse	750 mA / 1 A
Max. total current DO1.1–1.4	1A
Time to switch on/off	Typ. 130 ns / 20ns
Switching speed	Max. 200 kHz/8bit

### Dimensions and weight

Dimensions	72 x 90 x 59 mm
Weight	300 g

### Standards compliance

ČSN EN 6095-1 ed. 2
ČSN EN 61000-6-3 ed. 2
ČSN EN 55014-1 ed. 3
ČSN EN 55022 ed. 3
2006/95/EC
2004/108/ES
2014/35/EU
2014/30/EC

### Analog inputs

Number of inputs x groups	1 x 1
Common connector	AGND
Available functions	0 – 10 V 0 – 20 mA
Galvanic isolation	No
Resolution	12 bits
Conversion speed	10μs

### Analog outputs

Number of outputs x groups	1 x 1
Common connector	AGND
Available functions	AO 0 – 10V / 0 – 20mA Resistance measure: 0 – 2 kΩ, Ni1000, Pt1000
Galvanic isolation	No
Resolution	12 bits
Range/current	10V/20mA
Conversion speed	1ms

### Power supply

Rated voltage - SELV	24 V DC
Voltage tolerance	-15% .. +25% 20,4 .. 30 V DC
Power consumption	Typ. 3W Max. 12W
Internal protection	Yes

### Installation and operating conditions

Operating temperature	0 °C .. + 55 °C
Storing temperature	-25 °C .. +70 °C
Dielectrical strength	In accordance with EN 60950
Degree of protection IP (IEC 529)	IP20
Operation position	Horizontal
Installation	On 35mm DIN rail into distribution box
Connection	Pluggable terminal blocks
Wire gauge	Max. 2,5 mm2