

# CB200

## THE LINUX BASED SMART LIGHTING SWITCHBOARD CONTROLLER AND DATA CONCENTRATOR

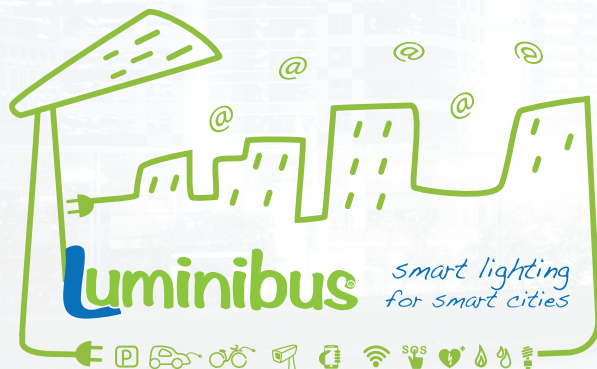
The ultimate solution for the remote management of streetlighting schemes: CB200 **remotely manages and controls the electrical cabinet itself and any single lamppost** via wired and wireless data communication networks.

Thanks to the integrated I/O interface the streetlighting manager can program the **switch on and off** of the plants by using the integrated astronomical clock, retrieve **alarms, failures and electrical measurements**.

It performs data communication among any single lamppost and smart city sensor linked to the scheme.

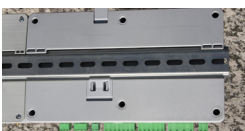
CB200 can be used for point-to-point management or even just for the remote management of the electrical cabinet.

It's the most flexible and smart device of its kind !



meters  
AND more  
OPEN TECHNOLOGIES  
ASSOCIATED MEMBER

  
SMART TECHNOLOGIES  
Maggioli Group company  
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<b>CPU</b>	
CPU	ARM9 33MHz
processor performance	366 MIPS
operating system	Linux embedded
RAM	256 Mbytes
mass storage	256 Mbytes (NAND type memory)
real time clock	astronomical clock management included

<b>DATA COMMUNICATION technologies</b>	
modem powerline	3-phase powerline modem EN500061-1 compliant and operating on A, B, C CENELEC band with Meters&More open protocol
Wide Area Network (WAN)	Ethernet port (standard) - GPRS/3G/4G modem (optional)
LoRaWAN	LoRaWAN gateway (opt.)

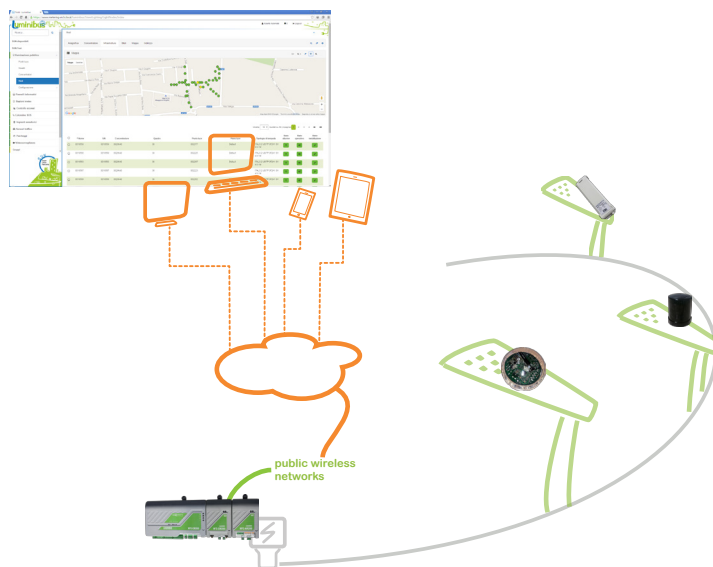
<b>I/O features</b>	
contactors switching on/off	2 outputs on relay
digital input	4 digital optoisolated inputs
other I/O	no. 1 RS-485 port (ModBus protocol) no. 1 RS-232 DB9-f connector port no. 1 USB female connector port no. 1 IEEE802.3 10-100Mbps Ethernet port no. 1 12VCC output to empower additional devices no. 1 connector for external backup battery (opt.)
optionals	GPRS/3G/4G modem with backup supercapacity (> 15 min autonomous life) electrical network analyzer

<b>MECHANICAL and ENVIRONMENTAL features</b>	
case material	made of auto-extinguishing XAN-940A material (UL94 standard) for DIN rail mounting
operating temperature range	from -25°C to +70°C [-13 ÷ +158 °F]
external dimensions	131 x 255 x 49 mm (HxWxD)

# Luminibus

## is a complete smart lighting management system

In combination with Luminibus streetlights controllers and SCS smart city software, CB200 provides full control and diagnostic of the whole streetlight scheme: lamps, switchboards and anything in between.



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