



Protect

Supervise/  
Regulate

Urban space

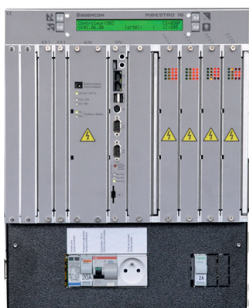


Suburban

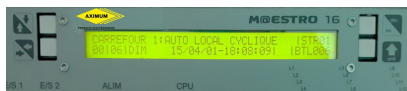
TRAFFIC LIGHTS &gt; TRAFFIC LIGHT CONTROLLER

# M@ESTRO

## CE



M@ESTRO rack and ancillaries



M@ESTRO display

» Traffic light controller for managing road traffic regulation signs. »

## ADVANTAGES

### > USE

- **Ergonomic, high-performance controller:** enhanced reliability of latest-generation electronic boards using SMD technology
- Ensures optimal safety for the installation and users by implementing additional safety devices
- **Modular and upgradeable,** this controller provides the option of additional functions: SD memory card, Wi-Fi connection, GPRS, etc.
- Operates under all types of Centralised Traffic Control Stations and remote monitoring (DIASER communication protocol)

### > PROGRAMMING & USE

- Intuitive programming with SWING4 software and ease of use, file can be transferred directly to the controller via USB drive or Ethernet port
- Web server integrated into Maestro allows you to view the operation of the controller or simulator
- **Easy installation, maintenance and troubleshooting:** wiring plan drawn up using the programming tool, logbook reading, data collection, etc.
- Current analysis possible for each light output
- Interchangeable controller or simulator CPU boards, no parameter changes required

## SOCIAL AND ENVIRONMENTAL BENEFIT

- **ENERGY EFFICIENCY**  
Public lighting operation
- **MADE IN FRANCE**  
Made in the Hauts-de-France region

**AXIMUM**MADE IN  
FRANCE



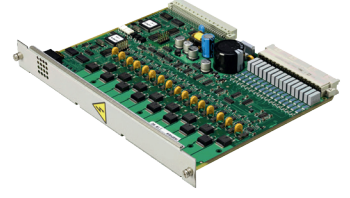
## TECHNICAL CHARACTERISTICS

### > RACK

- 1 power supply card with energy analyser
- 1 CPU board
- 1 backlit keypad/display
- 1 to 2 input/output cards
- 1 to 8 power card(s) 4 lines of lights
- 1 I/O terminal board
- 1 ancillaries rail
- Pre-wired "power" connection terminals



Processing  
CPU



Power  
board



Power supply  
board

### > MATERIAL CAPACITY

- 4 to 32 traffic light lines, expandable to 64 lines - 10 to 60 inputs, expandable to 128 inputs
- 1 to 30 outputs, expandable to 48 outputs

### > SOFTWARE CAPACITY

- 8 junctions
- 48 lines, expandable to 96 lines

### > CPU BOARD

- MPC 8313 microprocessor
- LINUX OS
- Working memory (DRAM)
- 128MB expandable to 256MB
- 64MB flash program storage memory, expandable to 128MB
- Storage memory (SD)
- 512MB expandable to 32GB
- GPS module connection
- 2 RS232 serial ports
- 2 Master USB ports
- 2 Ethernet ports

Simulator  
of the M@ESTRO  
controller



M@ESTRO  
controller



## FEATURES & OPTIONS

- Integrated GPRS modem
- External GPS module (PS2 connector)
- SD memory card for automatic backup of programming and DIASER data in real time, including traffic data collection
- Detector support board
- M@ESTRO simulator for testing and validating programming, including dynamic display of traffic lights and variables



## COMPLIANCE

- NF EN 12675 Traffic signal controllers - Functional safety requirements
- NF P 99-100 Characteristics of the functional safety features of traffic light controllers
- NF P 99-105 Functional characteristics of traffic light controllers
- NF P 99-110 Data exchange via wire-to-wire links with external devices  
Functional characteristics and definition of connections
- NF P 99-071-1 Road traffic control using traffic lights Dialogue specification