

# Communication gateway MIREL LCM

## Type **LCM**

illustrative picture

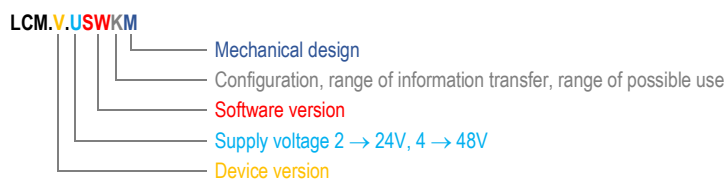
MIREL LCM communication port represents a device of MIREL modular system. Its principal function is to provide for MIREL electronic systems on rolling stock a universal communication interface for connection with MIREL LANIX system intended for remote management of technical devices. Port features a RS485 serial communication interface with BMSP protocol, on which it communicates with MIREL systems fitted on rolling stock. Interlinking with MIREL LANIX system is achieved by means of mobile data service of mobile network operators. Apart from its principal function, the communication port, the communication port provides to MIREL systems fitted on rolling stock data from GPS satellites like precise time, position coordinates, actual speed and bearing.



On the front panel is installed a connector with RS485 communication interface and power supply input and connectors for the antennas.

An accessory is the ANTSET antenna set, which can have a maximum length of 5 m connection cable.

### Nomenclature



### Modifications

| Designation | Supply voltage [VDC] | Software version | Configuration <sup>1)</sup> | Mechanical design | Notes |
|-------------|----------------------|------------------|-----------------------------|-------------------|-------|
| LCM.1.201AL | 24                   | 01               | A                           | L                 |       |
| LCM.1.401AL | 48                   | 01               | A                           | L                 |       |

<sup>1)</sup> Configuration, range of information transfer, range of possible use

### Modifications prepared for new applications

No record

### Mechanical design

| Designation | Construction system | Modification of construction system | Assembly | Dimensions W x H x D [mm] | Weight [kg] |
|-------------|---------------------|-------------------------------------|----------|---------------------------|-------------|
| L           | BOXTUG              | 05A                                 | left     | 130 x 44 x 246            | 0,82        |
| P           | BOXTUG              | 05A                                 | right    | 130 x 44 x 246            | 0,82        |
| U           | BOXKOG              | 05                                  | –        | 56 x 129 x 244            | 0,95        |

### Optional accessories to standard set of devices

| Designation | Description                                 |
|-------------|---|
| ANTSET.1.A  | Antenna set with connecting cable, 4 m long |

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## Specifications

Catalogue Sheet was prepared on the basis of the following specifications:

| Number  | Version | Title                          |
|---------|---------|--------------------------------|
| 1957M   | 201126  | MIREL LCM Conditions of Use    |
| 1598RM1 | 190515  | MIREL RM1 Installation manual  |
| 1992RM2 | 200813  | MIREL RM2 Installation manual  |
| 1068M   | 170516  | BOXTUG Installation conditions |
| 2468M   | 191016  | BOXKOG Installation conditions |

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## Usage

MIREL RM1 – registration speedometer

MIREL RM2 – integrated on-board system





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**Modifications not recommended for new applications**

No record