

# Communication gateway MIREL LCM

## Type **LCM**

illustrative picture

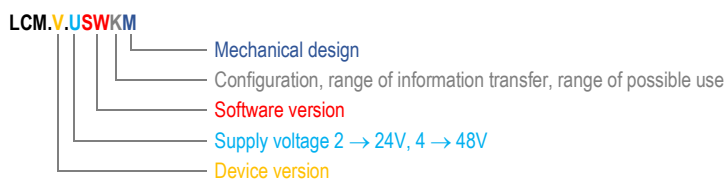
MIREL LCM communication gateway represents a device of MIREL modular system. Its principal function is to provide for MIREL electronic systems on rolling stock a universal communication interface for connection with MIREL DSM or POSITREX monitoring system intended for remote management of vehicles. Port features a RS485 serial communication interface with BMSB protocol, on which it communicates with MIREL systems fitted on rolling stock. Interlinking with monitoring 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
<b>LCM.1.201AL</b>	24	01	A	L	
<b>LCM.1.401AL</b>	48	01	A	L	
<b>LCM.1.201BP</b>	24	01	B	P	
<b>LCM.1.401BU</b>	48	01	B	U	

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

### Modifications prepared for new applications

Designation	Supply voltage [VDC]	Software version	Configuration <sup>1)</sup>	Mechanical design	Notes
<b>LCM.1.201BL</b>	24	01	B	L	WF951
<b>LCM.1.201BU</b>	24	01	B	U	WF1066
<b>LCM.1.401BL</b>	48	01	B	L	WF951

### Configuration, range of information transfer, range of possible use

Designation	Description
A	Use with MIREL DSM dispatching system
B	Use with POSITREX vehicle monitoring system

## 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

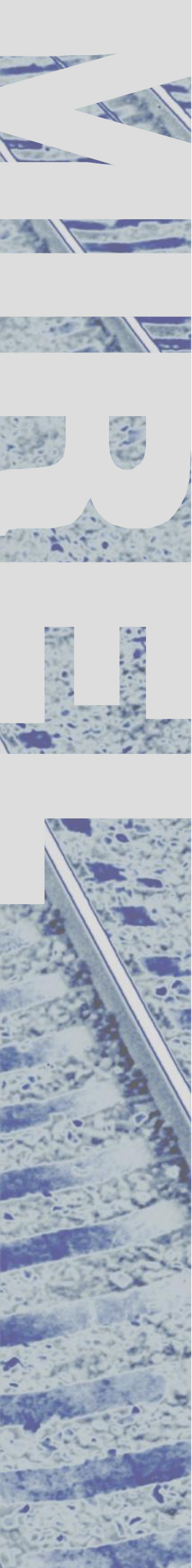
## Specifications

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

Number	Version	Title
1957M	220905	MIREL LCM Conditions of Use
1598RM1	190515	MIREL RM1 Installation manual
1992RM2	200813	MIREL RM2 Installation manual
1068M	170516	BOXTUG Installation conditions
2468M	230904	BOXKOG Installation conditions

## Usage

MIREL RM1 – registration speedometer  
MIREL RM2 – integrated on-board system



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**Modifications not recommended for new applications**

No record