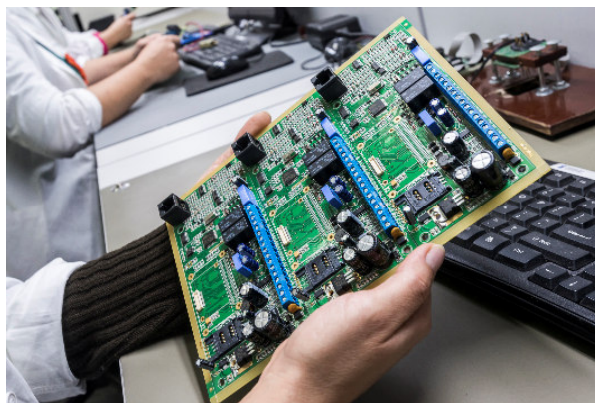


**NEW  
MODEM  
on board**

## **LX2NB** *NEW MODEM, ENERGY EFFICIENCY, BETTER FUNCTIONALITY*

New transmitter for the real time packet data transfer through GSM networks via GPRS and SMS channels.



**LX2NB** was designed for customers who value the **high quality** offered at an **attractive price**.

**LX2NB** transmitters are used mainly as the transfer module from security systems. Devices co-operate with all of the most popular alarm systems. Usage of the packet data transfer (GPRS) allows to reduce the alarm system functioning costs

**LX transmitters are offered independently or in sets with casing**, AC adapter and battery. Support for devices in monitoring station is carried out by Monitoring System Receiver OSM.2007. It is offered in the form of independent receiver ensuring complete transfer reliability thanks to redundancy, which protects receiving system if part of the system is damaged, or as a server software for Windows.

## FEATURES AND BENEFITS OF LX2NB:

### COMFORT OF SERVICE AND WIDE RANGE OF FUNCTIONALITY

- **Remote configuration**
  - Simple and fast reconfiguration via SMS, GPRS or CSD
- **Telephone line simulation and DTMF receiving (ContactID, Ademco Express)**
  - Flexible co-operation with alarm control panels equipped with dialer that allow on e.g. monitoring of inputs / outputs
- **EOL/DEOL inputs**
  - Detection of alarm state and tamper state on single input
- **Sending of text messages of any desired content to the 5 defined cellphone numbers**
  - Immediate signification of the alarm situations occurrence
- **System event history**
  - Evidence up to 5000 events enabling to diagnose of possible problems
- **Device status monitor**
  - Diagnostic mode for the installer

### DATA SECURITY

- **Encryption of transmitted data by AES standard**
  - Full data transfer safety
- **Authorization for configuration and steering text messages**
  - Protection against unauthorized device access
- **GSM/GPRS link control**
  - Automatic retrieving of the connection with the monitoring station
- **Reserve server servicing**
  - Transmission protection in case of a server damage

### ENERGY AND COSTS SAVING

- **Sent text messages quantity control, incoming messages retransmission**
  - Supervision over transmission costs
- **Steering via CLIP**
  - Costless output connection



### RADIOLINE FUNCTION (LX2NB-xR):

- Built-in remote control receiver on 433.92MHz
- Two programmable remote control functions (panic signal / activating output)
- Optional connection external antenna 433.92Mhz - better remote control range
- Supports up to 10 remote controllers
- Remote control with "hopping code" – higher protection against sabotage

## TECHNICAL PARAMETERS OF LX2NB TRANSMITTER

<b>Transmission channels</b>	GPRS, SMS	
<b>Inputs</b>	<b>4 (NO/NC/EOL-NO/EOL-NC/DEOL-NO/DEOL-NC)</b>	
<b>Phone input compatible with DTMF standard</b>	YES	
<b>Protocols supported on the phone input</b>	ContactID, Ademco Fast, DTMF	
<b>Outputs</b>	1 (OC,max. load 100mA)	
<b>Output functions</b> (ways of control)	<ul style="list-style-type: none"> <li>- unavailable GSM signal</li> <li>- GSM jamming (only with ublox LEON-G100)</li> <li>- from server or through SMS</li> <li>- incoming CLIP</li> <li>- in reaction on inputs</li> </ul>	
<b>Radioline*</b>	<b>YES, built-in radio receiver (ISM) on 433.92MHz</b>	
<b>Power output +12V</b>	NO	
<b>Serial interface</b>	NO	
<b>Alarm events buffer size</b>	-	
<b>Quantity of system events stored in history</b>	5000	
<b>Timestamp event</b>	-	
<b>GPRS/SMS transmission security</b>	AES encryption	
<b>Status LEDs (functions)</b>	2 LEDs (GSM signal level, device state, DTMF communication)	
<b>Configuration</b>	Remote: GPRS, SMS, CSD Local: PC through RS232 (required cable: GD-PROG)	
<b>Remote firmware update</b>	NO	
<b>Remote access to the control panels</b>	NO	
<b>Supported modems</b>	<b>- Cinterion BGS2-W (4-band)</b>	
<b>Power supply parameters - PCB (without casing)</b>	Voltage supply	13,8VDC (acceptable: 12-14VDC)
	Power consumption (average / max)	75mA/350mA@13,8VDC
<b>Power supply parameters - PCB in casing</b>	Voltage supply	230VAC (acceptable: 190-250VAC)
	Power consumption (average / max)	3W/20W@230VAC
<b>Charging module functions</b>	In version: PCB in casing <ul style="list-style-type: none"> <li>- fast battery charging mode</li> <li>- protection against excessive discharge</li> <li>- protection against reverse battery connection</li> <li>- AC failure signalization</li> <li>- low battery/no battery signalization</li> <li>- protection against short circuit battery output</li> <li>- polymer fuse</li> </ul>	
<b>Backup battery connection</b>	YES, (in version: PCB in casing), lead-acid 12V	
<b>Battery charging current</b>	PCB in casing: max. 200mA or max. 1A	
<b>Threshold of signaling low AC voltage (at secondary / at primary)</b>	13.5VAC / 160VAC (in version: PCB in casing)	
<b>Threshold of signaling low battery voltage</b>	11VDC (in version: PCB in casing)	
<b>Cut-off battery voltage level</b>	9,5VDC (in version: PCB in casing)	
<b>Dimension</b>	PCB: 102 x 73 x 35mm PCB in plastic casing: 265 x 255 x 85mm	

\* only in LX2NB-xR version