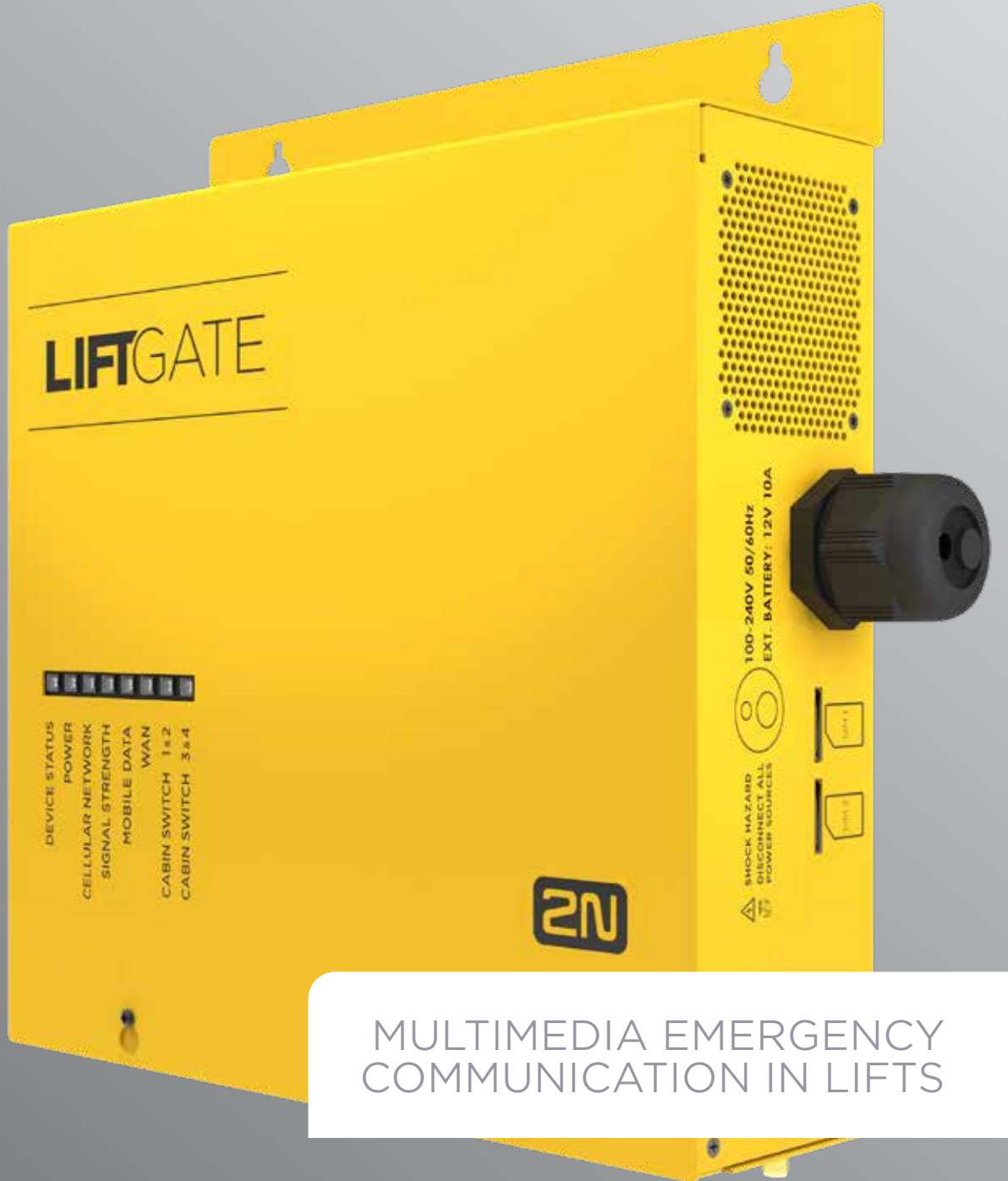


# 2N® LIFTGATE

2N



## MULTIMEDIA EMERGENCY COMMUNICATION IN LIFTS

The 2N® LiftGate IoT gateway will transform a regular lift into a modern IP solution for the 21st century. Plus, you needn't worry if there's a UTP cable in the lift. IP connectivity in the lift is secured using 2 wires in the travelling cable. 2N® LiftGate combines the functions of an LTE router, a backup power supply, a converter (2-wire to IP) and a switch all in one unit. Install just 1 product instead of 4 and save time and money.

# FEATURES & BENEFITS

## IP CONNECTIVITY OVER 2-WIRE

Install the 2N® LiftGate in the lift machine room, a 2N® LiftGate Cabin Switch on the roof of the cabin and connect them via 2 wires in the travelling cable.

## ALL IN ONE IOT DEVICE

You no longer need a separate LTE router, switch, converter and backup power supply. 2N® LiftGate will perform all these functions for you. One certified product that saves you time and money.

## UP TO 4 IP DEVICES IN THE CABIN

You can connect an IP communicator, a camera, a display for ads or a reader to the 2N® LiftGate Cabin Switch. There's even a backup 12 V output for emergency lighting.

## CONNECTING THE MACHINE ROOM AND THE CABIN

Connect a lift controller and IP telephone to 2N® LiftGate in the machine room. This meets the requirements of technical standards for shafts of more than 30 m and ensures communication between the machine room and the cabin.

## BACKUP POWER SUPPLY

Ensure emergency communication in the lift even during power cuts. The 2N® LiftGate solution includes UPS to power critical communication equipment and emergency lighting.

## COMMUNICATION VIA SIM AND WAN PORT

You only need one SIM card to make calls, for data communication with the gateway, the controller or access control system. A backup option can be provided in the form of a WAN port or second SIM.

## RELAY OUTPUTS AND INPUTS

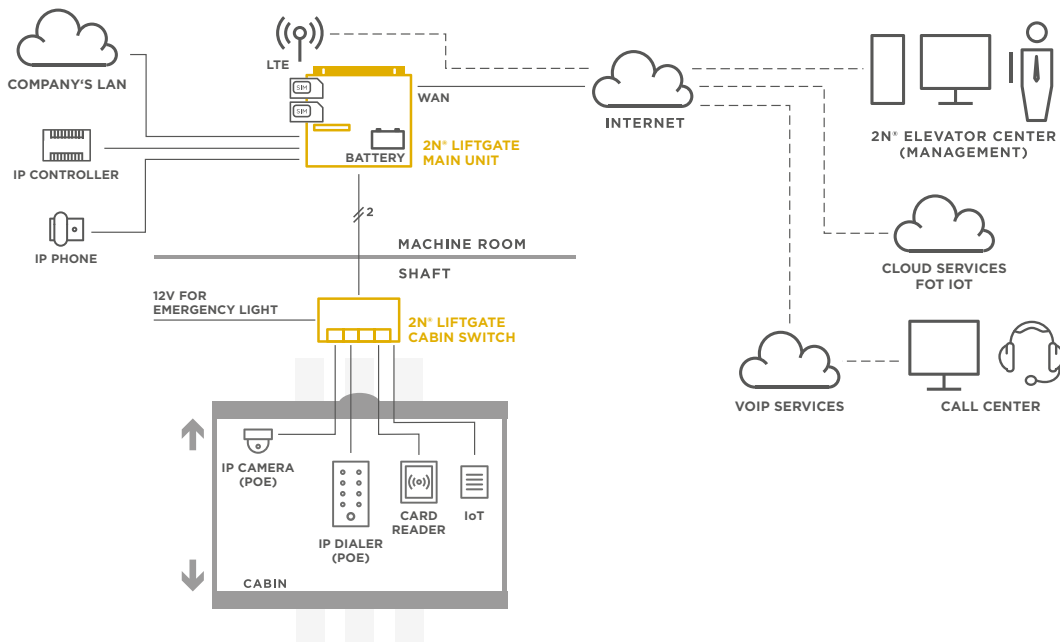
Has the mobile network gone down? The 2N® LiftGate switches a relay, informs the controller, which changes the status of the lift to out of service. However, relay outputs and inputs offer many more scenarios.

## MANAGEMENT VIA CLOUD AND SMS

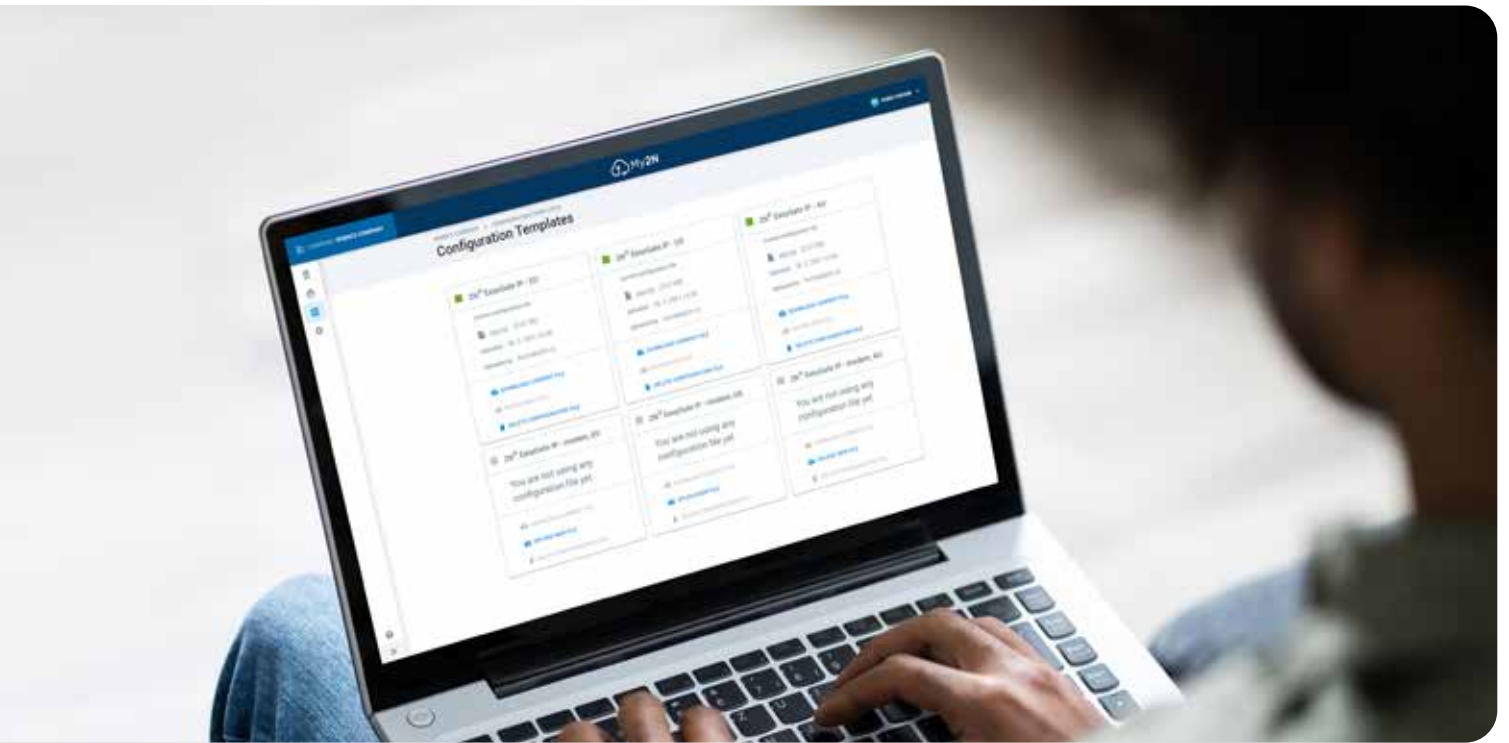
Connect the IoT gateway to the 2N® Elevator Center in cloud to manage and monitor it remotely. Naturally, you can control the gateway and get notifications via SMS.



# CONNECTION DIAGRAM



# VARIANTS



## CENTRALIZED MANAGEMENT AND MONITORING

The 2N® Elevator Center gives you non-stop control over all installed elevator devices. Manage and monitor your IP communicators, gateways and routers from your office. You don't need any IT skills. A technician will install the device and it will automatically connect to the portal in just a few seconds. 2N® Elevator Center will safely and reliably usher you to the world of smart elevators with modern functions.

# 2N<sup>®</sup> LIFTGATE – MAIN UNIT

## TECHNICAL PARAMETERS

### TELEPHONE NETWORK

GSM band	EU (EGSM 900 MHz, GSM 1800 MHz) AU (EGSM 850/900 MHz, GSM 1800/1900 MHz)
UMTS band	EU (850/900/2100 MHz) US (850/900/2100 MHz) AU (850/900/1900/2100 MHz)
LTE band	EU (B1, B3, B5, B7, B8, B20) US (B2, B4, B12) AU (B1, B3, B5, B7, B28, B40)
SIM cards	2 slots; (U)SIM, 1.8 / 3.0 V

### ANTENNA

Number	Two inputs (one for RX only)
Impedance	50 Ω
Connector type	F-SMA

### ETHERNET

Interface	4x RJ-45, 1 Gbps (1x WAN, 3x LAN)
PoE	1x PoE 802.3af Class 2 (max 6.49 W) via the LAN3 port
Protocols	IPV4, IGMP, DNS, DHCP, NAT, HTTP, HTTPS, WS, NTP, OPENVPN, SYSLOG

### INPUTS AND OUTPUTS

Inputs	2
Outputs	0 - 24 V (low level 0-2 V, high 4-24 V) 2x relay (NO, NC, COM terminal block) max. 30 V / 1 A DC, 125 V / 0.3 A AC
Number of lines	2

### POWER SUPPLY

Voltage	100 - 230 V AC
Frequency	50/60 Hz
Input power	65 W for 2x Cabin Switch
Backup power	built-in lead-acid battery, 12 V / 9 Ah (included)

### MECHANICAL PROPERTIES

Operating temperature	-20°C to +50°C
Dimensions	270 x 240 x 80 mm
IP protection	IP20
Weight	4.7 kg with battery, 2.2 kg without battery

# 2N<sup>®</sup> LIFTGATE – CABIN SWITCH

## TECHNICAL PARAMETERS

Connection to the main unit: 2 wires

### INTERFACE

Ethernet	4x RJ-45 port, 100 Mbps
PoE:	2x PoE 802.3af Class 2 (max 6.49 W) via LAN1 and LAN2 ports
Output	12 V DC, 100 mA (for emergency lighting)
Protocols	IPV4, IGMP, DNS, DHCP, NAT, HTTP, HTTPS, WS, NTP, OPENVPN, SYSLOG

### MECHANICAL PROPERTIES

Operating temperature	-20°C to +50°C
Dimensions	143 x 95 x 32 mm
IP protection	IP30
Installation	Surface mounted on a wall or DIN rail
Weight	0.2 kg