

# 2N



## 2N<sup>®</sup> LiftGate

### Multimedia emergency communication in lifts

The 2N<sup>®</sup> 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<sup>®</sup> 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.

[2N.com](http://2N.com)



## 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.

### 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.

### 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.

### 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.

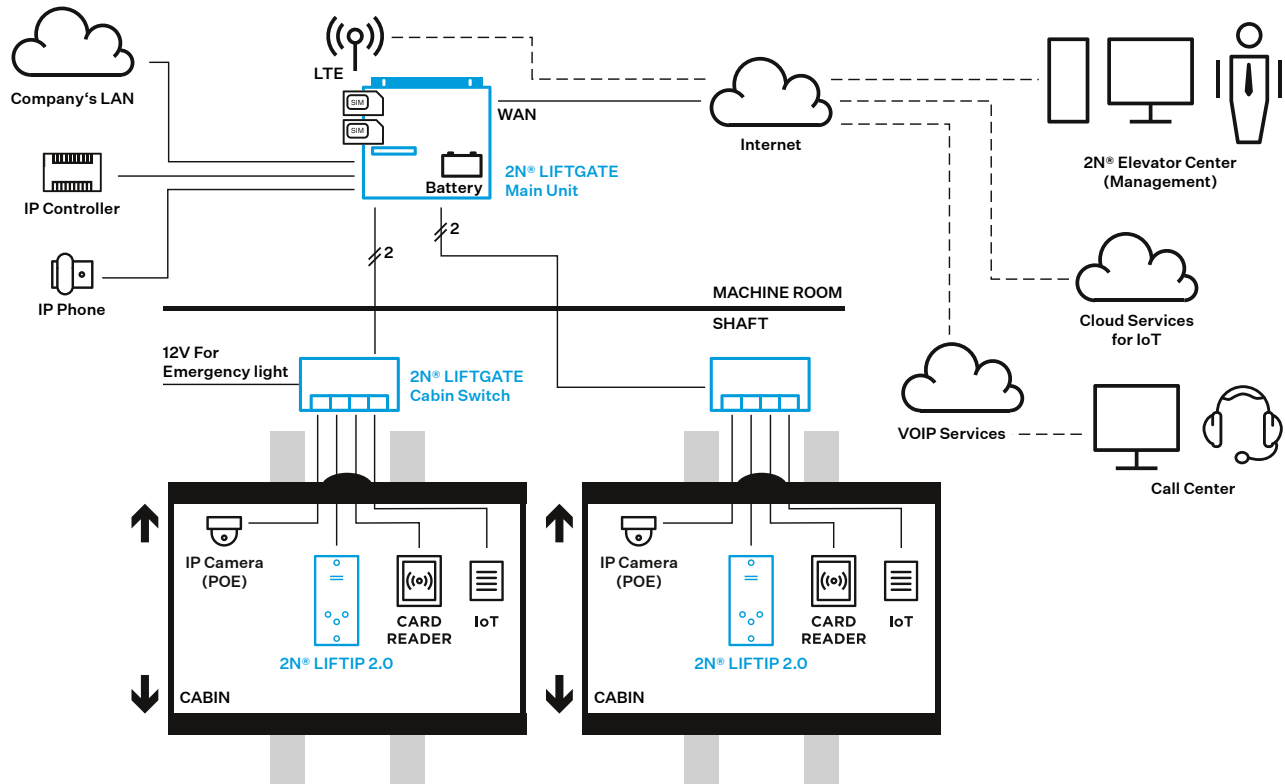
### Management via cloud and SMS

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.

### 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.

# Connection diagram



## Variants



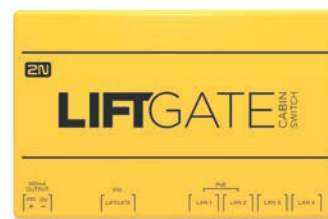
2N° LIFTGATE, 2X CS,  
AKU+, AU PLUG  
5024101AU



2N° LIFTGATE, 2X CS,  
AKU+, EU PLUG  
5024101E



2N° LIFTGATE, 2X CS,  
AKU+, US PLUG  
5024101US



2N° LIFTGATE CABIN  
SWITCH, 4X ETH, 12V DC  
502460E

# Technical Parameters

## Main unit

### Telephone network

|                  |  |
|------------------|--|
| <b>GSM band</b>  | EU (EGSM 900 MHz, GSM 1800 MHz)<br>AU (EGSM 850/900 MHz, GSM 1800/1900 MHz)                        |
| <b>UMTS band</b> | EU (850/900/2100 MHz)<br>US (850/1700/1900 MHz)<br>AU (850/900/1900/2100 MHz)                      |
| <b>LTE band</b>  | EU (B1, B3, B5, B7, B8, B20)<br>US (B2/B4/B5/B12/B13/B14/B66/B71)<br>AU (B1, B3, B5, B7, B28, B40) |
| <b>SIM cards</b> | 2 slots; (U)SIM, 1.8 / 3.0 V   |

### Antenna

|                       |                                 |
|-----------------------|---------------------------------|
| <b>Number</b>         | Two inputs (Main and Diversity) |
| <b>Impedance</b>      | 50 Ω                            |
| <b>Connector type</b> | F-SMA                           |

### Ethernet

|                  |   |
|------------------|---|
| <b>Interface</b> | 4× RJ-45, 1 Gbps (1x WAN, 3x LAN)                                       |
| <b>PoE</b>       | 1× PoE 802.3af Class 2 (max 6.49 W) via the LAN1 port                   |
| <b>Protocols</b> | IPV4, IPV6, ICMP, DNS, DHCP, NAT, HTTP, HTTPS, WS, NTP, OPENVPN, SYSLOG |

### Inputs and outputs

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

### Power supply

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

### Mechanical properties

|                              |  |
|------------------------------|--|
| <b>Operating temperature</b> | -4°F to +122°F                                 |
| <b>Dimensions</b>            | 10.62 x 9.44 x 3.14 inch                       |
| <b>IP protection</b>         | IP20   |
| <b>Weight</b>                | 10.36 lb with battery, 4.85 lb without battery |

## Cabin Switch

Connection to the main unit: 2 wires

### Interface

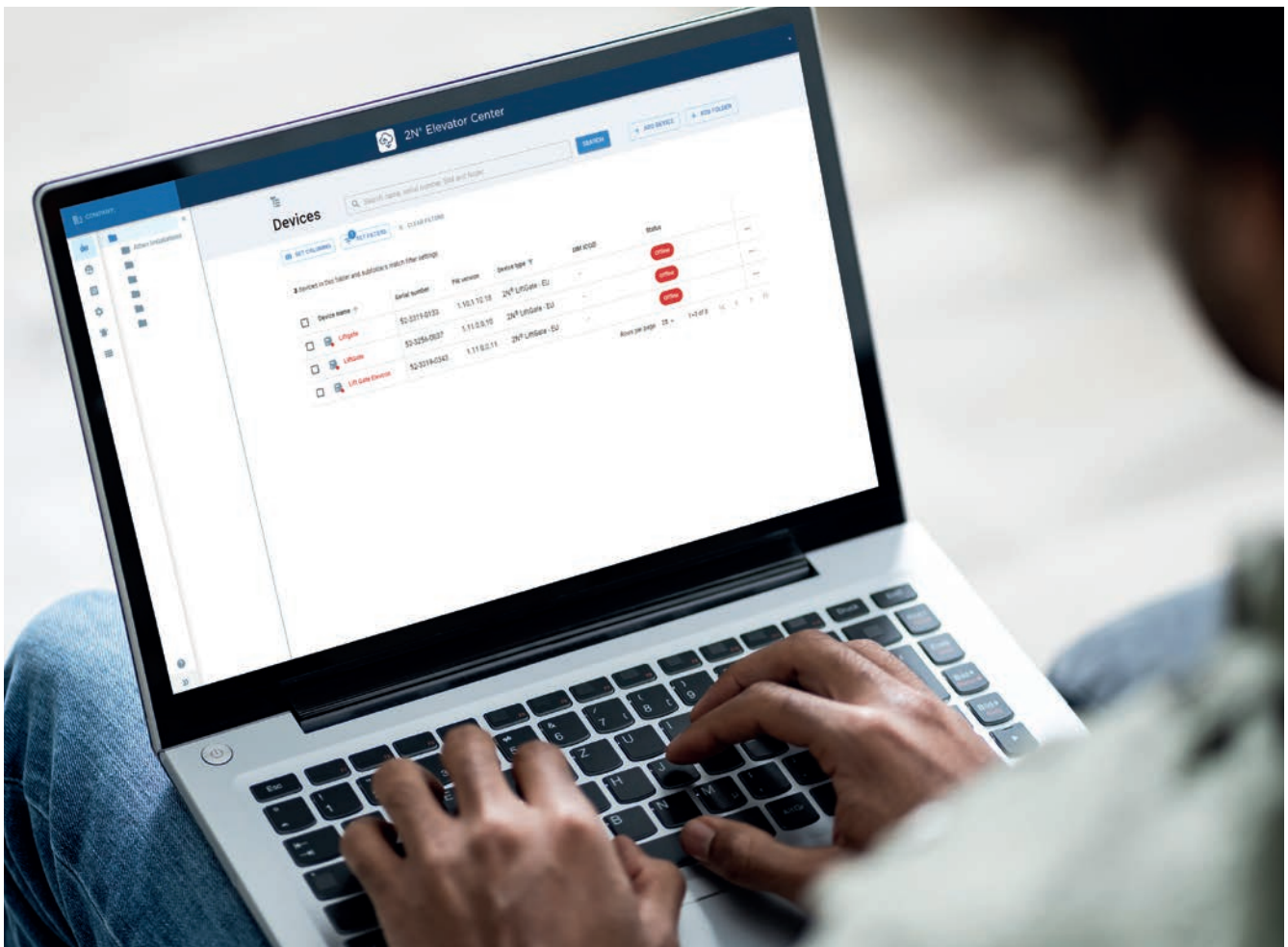
|                  |   |
|------------------|---|
| <b>Ethernet</b>  | 4× RJ-45 port, 100 Mbps   |
| <b>PoE</b>       | 2× PoE 802.3af Class 0 (max 12.95 W) via LAN1 and LAN2 ports            |
| <b>Output</b>    | 12 V DC, 100 mA (for emergency lighting)                                |
| <b>Protocols</b> | IPV4, IPV6, ICMP, DNS, DHCP, NAT, HTTP, HTTPS, WS, NTP, OPENVPN, SYSLOG |

### Mechanical properties

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Operating temperature</b> | -4°F to +122°F                        |
| <b>Dimensions</b>            | 5.62 x 3.74 x 1.25 inch               |
| <b>IP protection</b>         | IP30                                  |
| <b>Installation</b>          | Surface mounted on a wall or DIN rail |
| <b>Weight</b>                | 0.44 lb                               |

### Warranty

5-years warranty see [https://www.2n.com/en\\_GB/support/warranty-and-repairs](https://www.2n.com/en_GB/support/warranty-and-repairs)



## 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

Member of the AXIS group

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COMMUNICATIONS

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Axis Communications provides 2N sales and support for the Americas and APAC (excluding Japan).