



2N EasyGate IP+

**Modernise elevator communication
with the next-gen gateway**

2N EasyGate IP+ is a modern LTE/VoIP gateway designed to ensure reliable emergency communication between the elevator cabin and the call centre. It supports a wide range of interfaces for connecting to the elevator controller and other devices in the machine room. This smart gateway also complies with the latest cybersecurity standards.

Features & benefits

Future-proof connectivity with 4G support

It supports 2G, 3G, and 4G networks, enabling voice transmission via VoIP and VoLTE. Install it today using your existing network and seamlessly switch to 4G when you're ready. There is no need to upgrade the hardware later.

Reliable DTMF transmission every time

Unlike mobile networks that often distort DTMF tones, the 2N EasyGate IP+ uses SIP-based VoIP communication to ensure distortion-free DTMF signal transmission, which is essential for accurate elevator car identification.

Switch to VoIP without changing a thing

Say goodbye to analogue communication. 2N EasyGate IP+ brings modern VoIP communication to your elevator system without replacing cabin hardware. Enjoy lower costs and crystal-clear calls.

All the interfaces you need

LAN, RS232, RS485, and CANbus – 2N EasyGate IP+ comes fully equipped for seamless connectivity with your elevator controller. It requires zero additional modules to enable remote diagnostics, monitoring, and control.

Three Ethernet ports. Total flexibility.

With three Ethernet ports (1× WAN, 2× LAN – or all 3 as LAN), you can easily connect to the building network and elevator controller and ensure stable internet access in the shaft. One device – endless connectivity options.

Built for the harshest shafts

High heat? No problem. Dust or water splashes? Handled. With a robust casing, IP43 protection, and resistance to temperatures up to 85 °C, this gateway is ready for any lift shaft environment.

Ready even during power outages

The backup battery keeps communication running during a power failure. Passengers can still call for help, and you stay compliant with safety regulations.

Set it up in just a few minutes

No special training is needed—even non-experts can configure the gateway in minutes thanks to the automated setup using the predefined configuration templates. Fast, simple, finished.

Manage everything remotely

2N Elevator Center cloud platform gives you full remote access to monitor and manage your IP elevator devices. Reduce the need for on-site technician visits and cut maintenance costs with the secure and proven cloud solution.

Variants



2N EasyGate IP+
All EU/UK networks
(2G/3G/4G), EU cable
without plug
5025101E

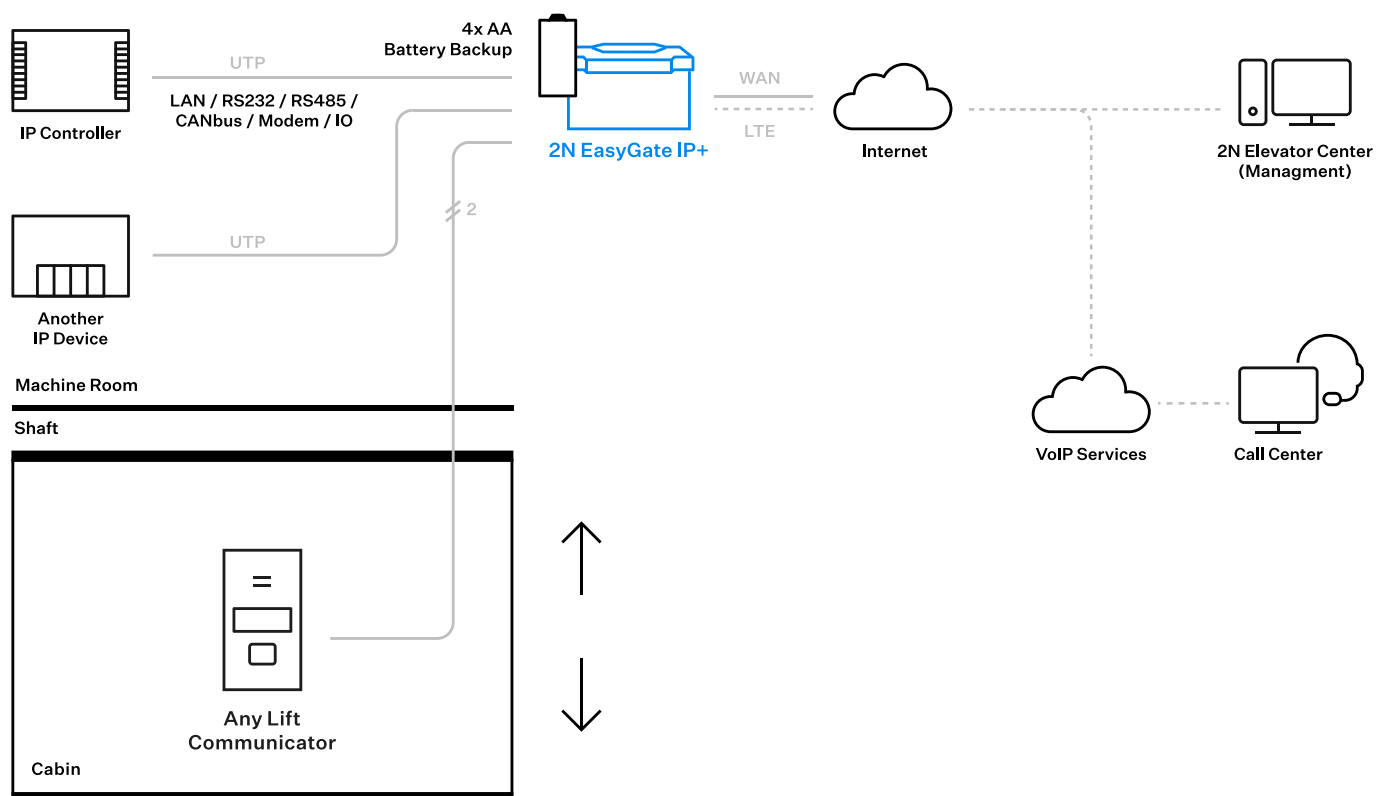


2N EasyGate IP+
All North American
networks (2G/3G/4G),
US cable without plug
5025101US



2N EasyGate IP+
All Australian networks
(2G/3G/4G), AU cable
without plug
5025101AU

Connection scheme



Technical parameters

Cellular network

Used modules	EU: EC25-E USA: EC25-AFFA AU: EC25-AU
LTE bands	EU: B1/B3/B5/B7/B8/B20/B38/B40/B41 USA: B2/B4/B5/B12/B13/B14/B66/B71 AU: B1/B2/B3/B4/B5/B7/B8/B28/B40
WDCMA bands	EU: B1/B5/B8 USA: B2/B4/B5 AU: B1/B2/B5/B8
GSM/EDGE bands	EU: B3/B8 USA: not supported AU: B2/B3/B5/B8
SIM cards	2 slots, both support 3V and 1.8V SIM cards

VOIP

Protocols	SIP (RFC3261) over UDP, SIPs, SRTP
DTMF	a) In-band Analogy of traditional DTMF, where tones are merged with speech into single voice channel. b) SIP INFO (RFC 2976) DTMF signals are sent separately in the SIP message body c) RTP Event (RFC 2833) DTMF signals are sent as separate RTP event packets, outside the main audio stream.

Antenna

Number	Two inputs (Main and Diversity)
Connector type	SMA
Impedance	50 Ohms

Interface

Interface type	FXS, 3x Ethernet (LAN, WAN), RS232, RS485, CAN
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Power source

Power adapter	(12 V / 1 A DC adapter included) option to connect an external 9 to 30 V DC power source
Backup power	4×AA batteries, constantly monitored

Memory

Type	Slot for SD card
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Configuration and upgrade

Local	web UI over USB
Cloud	2N Elevator Center

Other

Dimensions	195 × 119 × 61 mm
Weight	625 g (incl. batteries)
Humidity	max 90%, non condensing
IP coverage	IP43
Operating temperature	-40°C up to +85°C
Status LED	power, cellular network, FXS line, data, signal strength
Certifications	EN 62368-1, EN 81-28, EN 301489-1, EN 301489-7, EN 301511, EN 301908-1, EN 301908-2, EN 301908-13, EN 62311, EN 63000, EN 12016 FCC Part 15b, UL 62368-1, PTCRB ICES-003 Issue 6, CSA C22.2 No.62368-1 AS/CA S003.1, S003.3, S042.1, S042.4, AS/NZS 62368.1 App ZZ

Warranty

5-years warranty see
<https://www.2n.com/en-GB/about-2n/warranty-and-repairs/>