2N® EASYGATE IP

4G ANALOGUE GATEWAY SUPPORTING VOIP AND CLOUD MANAGEMENT

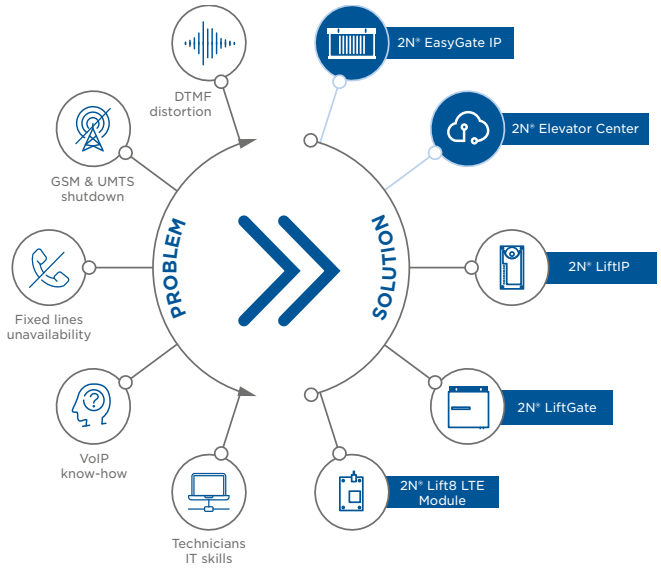
2N® EasyGate IP represents a new generation of analogue GSM/UMTS/VoLTE/LTE gateways. It works as a replacement of traditional fixed lines based on outdated analogue technology. This gateway embodies our long-term experience in the lift and telecommunication field, and it fits perfectly in a system of emergency communication in the elevator industry.

WHY TO MOVE TO 4G?

A lot of essential systems deployed in the elevator industry use mobile networks for connectivity of various technological devices. Some of the biggest mobile carriers have already revealed their plans and timeframe of a complete transition to the newer 4G technology. This is going to be a major technological change!

Is your infrastructure prepared for such a significant change? What will happen once 2G and 3G networks shut down? What will be your cost and who can help you to get ready?

2N® EasyGate IP is one of the first VoIP ready 4G gateways on the market! With this gateway, you can easily enter the world of IP technology and take a step to future proof your elevator solution. 2N® EasyGate IP works as a replacement of traditional fixed lines based on outdated analogue technology. It also addresses problems with the upcoming shutdown of 2G and 3G networks, and with limited reliability of DTMF transmission. Simply, it makes a perfect fit in systems of emergency communication in the elevator industry of today.



FEATURES & BENEFITS

RELIABLE DTMF

Reliable transmission of DTMF is the essential precondition for functional system of emergency communication in elevators. EasyGate IP offers several mechanisms how to transfer DTMF through the modern telecommunication networks reliably.

CLOUD MANAGEMENT

Advanced and secured cloud services allow bulk management of high number of devices. Configuration changes, upgrades, online monitoring, and reporting is easily done from one place, what saves time and money of your workforce. Due to integration capabilities it is possible to manage devices from customer's information system.

AUTO CONFIGURATION

Quick, and easy installation does not require any special know-how or skills of your field technicians. Installation and configuration process does not take longer than 2 minutes.

CHEAPER VOIP SERVICES

Take advantage of cheaper monthly fees and go the VoIP way. The new 2N future proof solution is based on flexible IP technologies which provides rich feature set and multimedia communication.

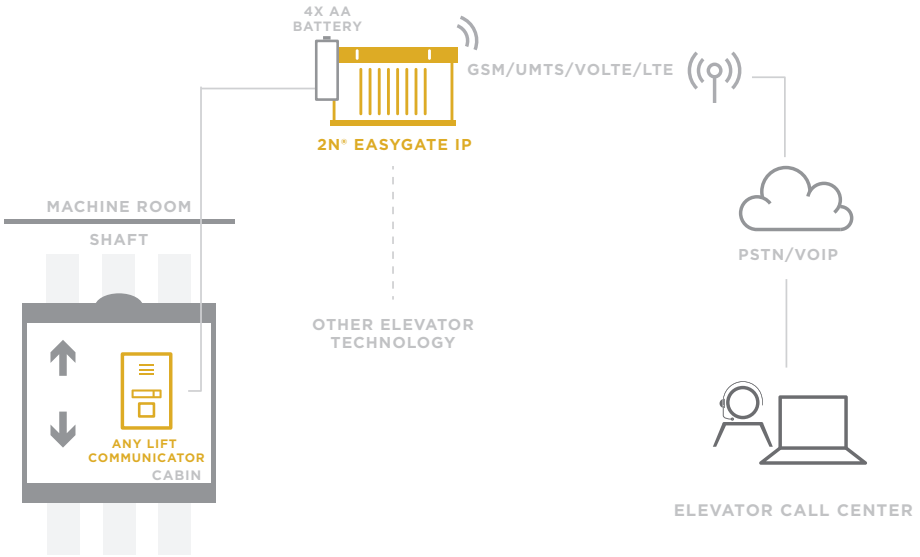
INDUSTRIAL DESIGN

The robust housing has been designed with an emphasis on protection against adverse environment. EasyGate IP can operate up to 85°C (185°F) and resist splashing water according to IP43.

CYBERSECURITY

Both device and cloud architecture protects emergency communication at several levels. The whole system has undergone in-depth penetration tests which helped to offer the most secure solution on the market.

CONNECTION SCHEME



2N® ELEVATOR CENTER

Building a professional solution requires having access to professional tools. 2N® Elevator Center is a cloud platform which allows automatic configuration, bulk management and real-time monitoring of your emergency communication solution. When you connect 2N® EasyGate IP to the cloud, you will get a large set of features which makes the management quick, easy, and intuitive. It also saves your time, workforce resources, and money.

- Built on a proven, secure cloud platform
- Designed to manage millions of devices
- Real-time monitoring and alerting

VERSIONS

VERSIONS WITH BATTERIES

With modem	5023101E, 5023101US, 5023101AU
Without modem	5023001E, 5023001US, 5023001AU

VERSIONS WITHOUT BATTERIES

Without modem	502300E, 502300US, 502300AU

TECHNICAL PARAMETERS

VOICE

GSM networks	850/900/1800/1900 MHz
UMTS networks	900/2100 MHz(EU), 850/1900 MHz(US), 850/2100 MHz(JPN)
LTE networks (EU/NA/AU)	LTE FDD: B1/B3/B5/B7/B8/B20 WCDMA: B1/B5/B8 GSM: B3/B8 LTE FDD: B2/B4/B12 WCDMA: B2/B4/B5 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8
VoIP	SIP (RFC3261), TLS, SRTP

DATA

LTE	LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL) LTE TDD: Max 8.96Mbps (DL)/Max 3.1Mbps (UL)
UMTS	DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL) WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)
GSM	EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
Serial Interface	RS232
SIM card	2 slots (3 V, and 1.8 V)
DTMF	in-band, SIP info, RTP events

ANTENNA

Connector type	SMA
Impedance	50 Ohms

LINE INTERFACE

Interface type	Two-wire, FXS for phone or external PBX line
Connector type	RJ12, 6/2

POWER SOURCE

Power adapter	(12 V/1 A), option to connect an external 10 to 16 V DC power source
Backup power	4×AA batteries, constantly monitored

USB INTERFACE

Configuration and upgrade	Web GUI, or 2N® Elevator center cloud service

OTHER

Dimensions	195 × 119 × 61 mm
IP coverage	IP43
Operating temperature	-40°C to +85°C
Status LEDs	Power, cellular network, FXS line, data, signal strength
Certifications	EN 81-28, EN 301489, EN 62311, EN 62368-1, EN 12015 & EN 12016, AS/CA S042.1, AS/CA S042.4, FCC Part 15b, UL 62368-1, ICES-003 Issue 6, CSA C22.2 No.62368-1