# emFONE
# EM-4GE2

## FOUR LINE OR SINGLE LINE
### WIRELESS COMMUNICATION GATEWAY



# PiXEL.
## TECHNOLOGIES

• Technical DATA:

Operating Temperature: -10ºC – 85ºC
Enclosure: Durable, self-contained
annodized cover for industrial applications

EM-4GE2/4L

PIXEL

EM-4GE2/1L

**DESIGNED IN AUSTRALIA**
**MANUFACTURED IN AUSTRALIA**
**SUPPORTED IN AUSTRALIA**

# DIGITAL WIRELESS COMMUNICATION GATEWAY

Our latest range of wireless communication gateways come with Dual 4G SIM capability as standard. Providing a reliable and simplistic standalone solution in place of conventional analog or digital phone lines.

Specifically built to replace existing phone lines being decommissioned during the NBN ™ network migrations, or new digital installations for your building.

## Meets ACMA RCM Compliance

Compatible with emFONE & ACMA approved telephones.

# EASE OF INSTALLATION

Your Electrical communications contractor can easily install our gateways with an available GPO and existing telephone cable connection to the lift phones. By simply connecting directly to the existing building infrastructure allowing installation anywhere from within the Lift Motor Room through to the Electrical cupboard or MDF Room.

Our gateway models have the ability of Dual Sim connectivity allowing for full system redundancy aligning with the Department of Communications - Best practice guide.

Technical DATA: •

Mobile Network 4G: LTE FDD: B1/B3/B4/B5/B7/B8/B28,
LTE TDD: B40, WCDMA: B1/B2/B5/B8, GSM: B2/B3/B5/B8
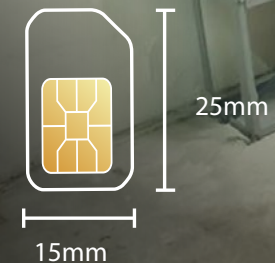(To all leading service providers)
Mobile Antenna: 3dBi 4G Omnidirectional 50ohm
1.5m Lead supplied as standard
Antenna Dimensions: 94 x 8mm, Base 30 mm (magnetised)

Standard or Mini SIM Card

25mm

15mm

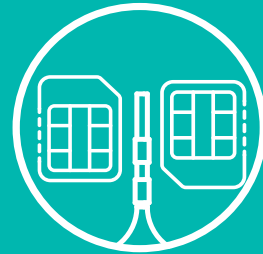**3G** COMPATIBLE ✓

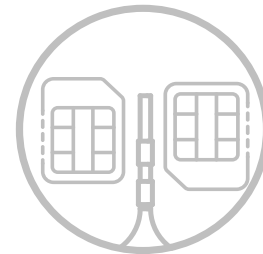**4G LTE** COMPATIBLE ✓

**5G** UPGRADEABLE

# EM-4GE1/1L

## SINGLE SIM SINGLE LINE GATEWAY

Our single line wireless communication gateway allows for a single SIM and single 4G radio with 1 x line FXS interface adaptor.

This cost-effective solution is ideal for a single Lift or MRL installation, where only a single line is required.

# EM-4GE2/1L

## DUAL SIM SINGLE LINE GATEWAY

Our single line wireless communication gateway allows for two SIM's and single 4G radio with 1 x line FXS interface adaptor. This allows the gateway to switch between the two separate SIM carriers to ensure complete redundancy of the 4G network.

This cost-effective solution is ideal for a single Lift or MRL installation, where only a single line is required.

**Technical DATA:**
Supply Voltage Input: Desktop Power adaptor 12V 1.0A DC (included)
SIM Card: Dual Mini SIM format
1 x FXS Port
Dimensions - Enclosure: 155.0 (H) x 126.5 (W) x 37.0 (D) mm

LIFT 1    LIFT 2    LIFT 3    LIFT 4

2 CALLS IN QUEUE
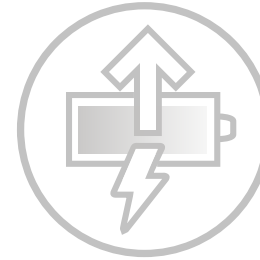
PiXEL.

2 CALLS CONNECTED

# EM-4GE2/4L

## THE POWER OF FOUR LINES IN ONE

Our four line wireless communication gateway provides true redundancy with connectivity to two separate 4G networks simultaneously. With its intelligent built in 4 x line FXS (foreign eXchange Subscriber) interface adaptors.

Up to four separate lifts can be connected to the single gateway with smart auto call queueing functions and allowing up to two simultaneous calls to be made at the same time, whilst playing an on-hold voice message to the remaining two lift in queue.

Offering the perfect solution for multi lift connection ensuring full compliance in the event of a major lift's failure to the building.

## BATTERY BACKUP

Provided complete with Battery back-up supply with up to 12 hours talk time on the EM-4GE/4L model and 8 hours talk time on the EM-4GE/1L model.
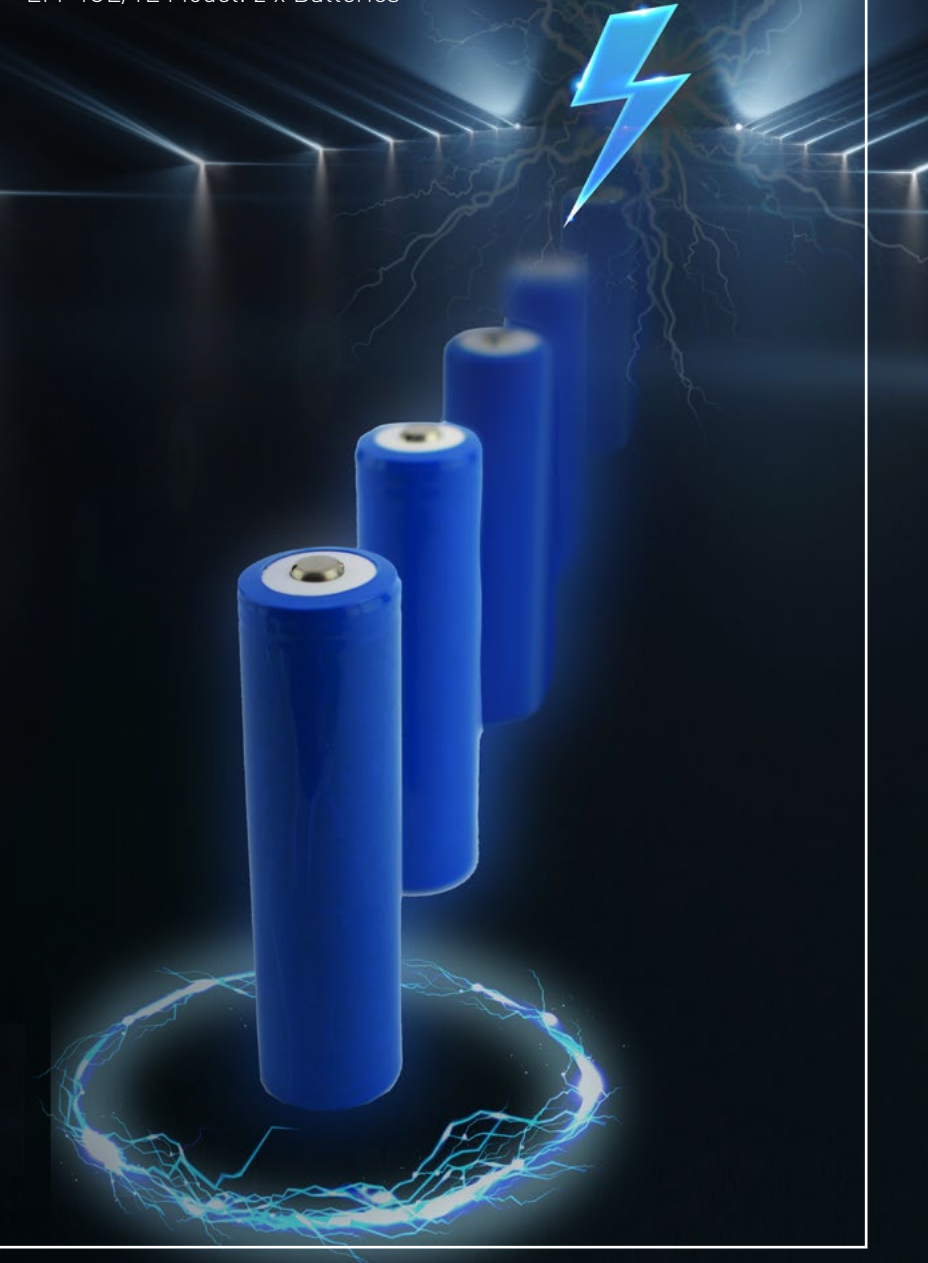
The lithium batteries are built for a long product life cycle and ease of maintenance as required. With full power & battery self-monitoring functionality directly via SMS or email notifications.

# SYSTEM MODULAR DESIGN, & REMOTE UPDATES

With its durable modular design, the gateway can be easily upgraded for future compatible networks such as 5G by simply replacing out the old 4G module with the new. Ensuring your installation will be suited for many years to come.

Software functionality and firmware revisions can be remotely updated through the wireless network allowing for simple rollout of critical network compatibility updates to all devices connected with a data enabled SIM.

# EN 81-28 COMPATIBLE

When paired up with an emFONE the lift telephone will report directly to the Pixel eLiioT monitoring system to ensure full compliance to meet all EN 81-28 standards.

This option is available to our extensive range of emFONE's manufactured over the past 10+ years.

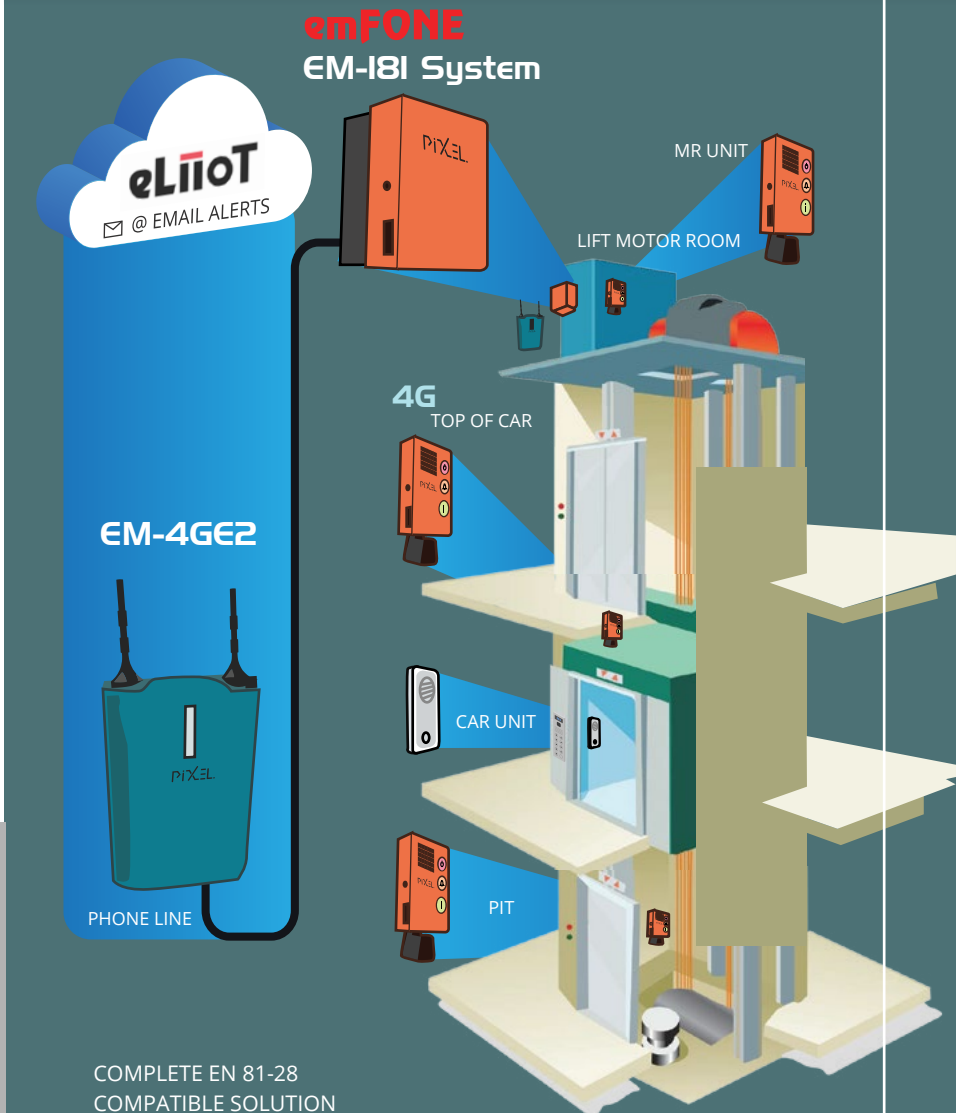Built to comply with the new industry standards

**Australian Standard:**

| AS | 1735.19 |
|---|---|

**European Standard:**

| EN | 81-28 |
|---|---|

**emFONE EM-181 System**

eLiioT
@ EMAIL ALERTS

MR UNIT

LIFT MOTOR ROOM

4G
TOP OF CAR

EM-4GE2

CAR UNIT

PIT

PHONE LINE

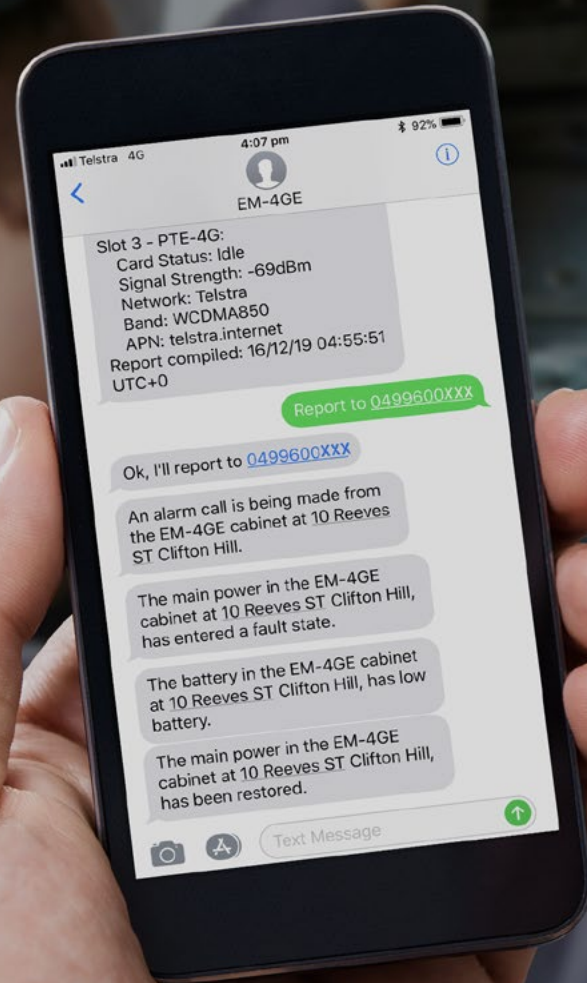COMPLETE EN 81-28 COMPATIBLE SOLUTION

● Technical DATA:

Programmable via SMS commands
Built in SMS reporting
Dial in – auto connect to last called lift or line select.

## SMS

# INTELLIGENT PROGRAMMING & REPORTING

System settings can be easily programmed via simple SMS commands, with features including dial-in options, whitelists, hotline and full system status showing the gateways current connectivity settings for installation commissioning.

Built in system SMS reporting options comes standard to enable system alerts on Power failure, restoration, system status and alarm calls to a single allocated number.

## eLiioT
### MONITORING

Our gateways can be connected to the Pixel eLiioT (Elevator Internet of Things) monitoring system allowing for full system diagnostics, status, and event alerts, live via the online portal and as email notifications to your allocated service center to ensure the gateway is kept in full working order to maintain an active line to your elevator 24/7.

**PiXEL.**
TECHNOLOGIES

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