

emFONE

EM-4GE2

FOUR LINE OR SINGLE LINE
WIRELESS COMMUNICATION GATEWAY



PIXEL.
TECHNOLOGIES

• **Technical DATA:**

Operating Temperature: -10°C – 85°C

Enclosure: Durable, self-contained
annodized cover for industrial applications

EM-4GE2/4L

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.

<https://www.communications.gov.au/documents/migration-monitored-fire-alarm-and-lift-phone-services-good-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)



COMPATIBLE



COMPATIBLE



UPGRADEABLE



*5G upgrade
is available on
EM-4GE2/4L

Technical DATA:

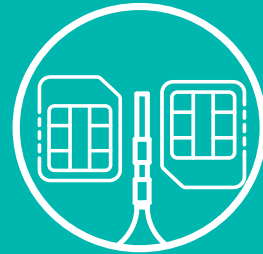
Supply Voltage Input: Desktop Power adaptor 12V 1.0A DC (included)

SIM Card: Dual Mini SIM format

1 x FXS Port

Dimensions - Enclosure: 155.0 (H) x 126.5 (W) x 37.0 (D) mm

EM-4GE1/1L

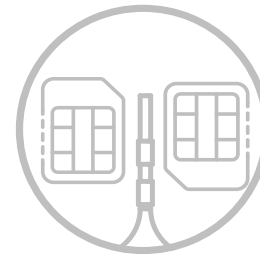


SINGLE SIM SINGLE LINE GATEWAY

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

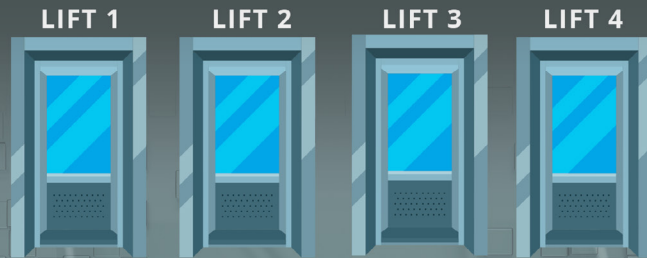
● **Technical DATA:**

Supply Voltage Input: 100-240V AC 3 Pin Wall Plug to C5 /w 0.75 A Fuse

SIM Card: Dual Mini SIM format

4 x FXS Ports

Dimensions - Enclosure: 221.5 (H) x 166.5 (W) x 37.0 (D) mm



2 CALLS IN QUEUE



2 CALLS CONNECTED

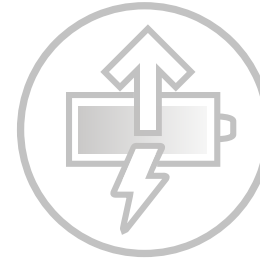
EM-4GE2/4L

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.

● **Technical DATA:**

Battery Type: NCR 18650B

EM-4GE/4L Model: 4 x Batteries

EM-4GE/1L Model: 2 x Batteries



• **Technical DATA:**

FXS Line Voltage: 48V
Line Current: 30mA standard.
emFONE compatibility: All Models
REN (Ringer Equivalence Number) = 3

SYSTEM MODULAR DESIGN, & REMOTE UPDATES

With its durable modular design, the EM-4GE2/4L 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.

*5G upgrade is available on EM-4GE2/4L model only.

EN 81-28 COMPATIBLE

When paired up with an emFONE the lift telephone will report directly to the Pixel eLioT 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

• **Technical DATA:**

Compliance: AS-1735.19 & EN 81-28

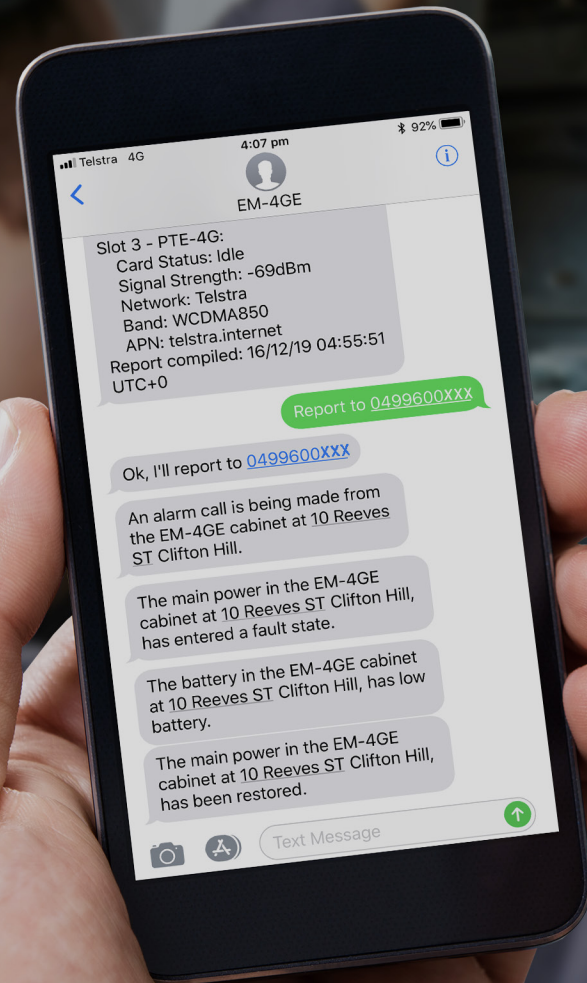


• **Technical DATA:**

Programmable via SMS commands

Built in SMS reporting

Dial in – auto connect to last called lift or line select.



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

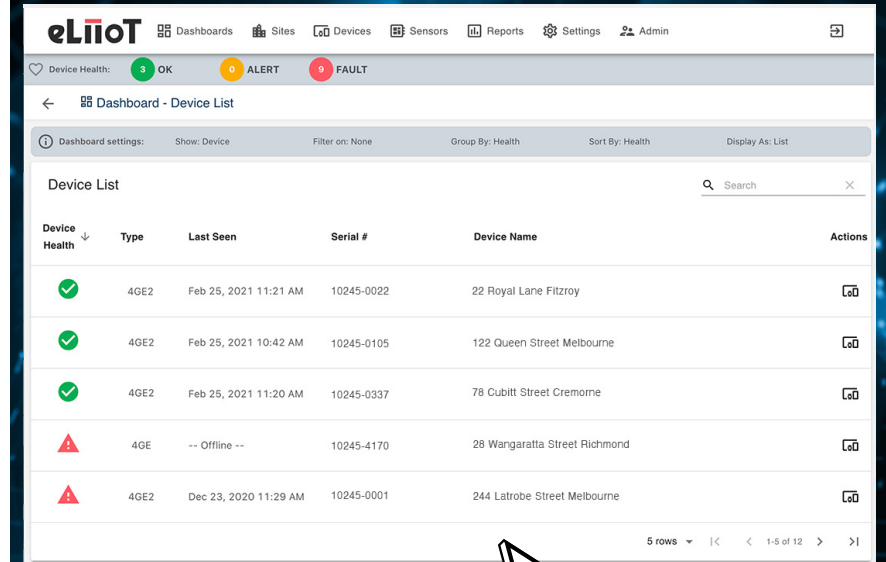


eLiiOT MONITORING

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.

Technical DATA: •

Status monitoring and notifications via the eliot cloud platform





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