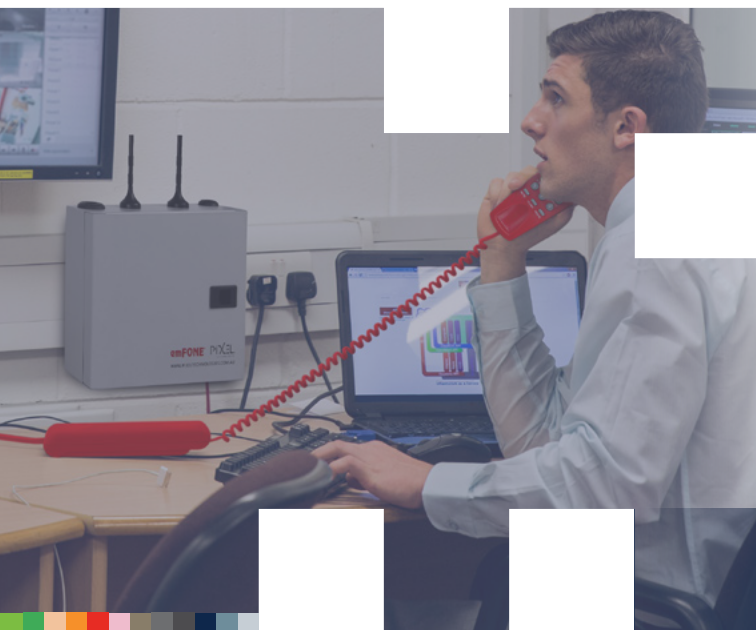


emFONE
em-4GE WIRELESS
COMMUNICATION
GATEWAY



PIXEL.
TECHNOLOGIES

• **Technical DATA:**

Supply Voltage Input: 100-240V AC 3 Pin Wall Plug to C5

Operating Temperature: 0°C – 50°C

Enclosure: Durable, self-contained wall cabinet
designed for industrial applications

Battery Type: 12V 1.2Ah SLA Battery (4 Hours + Talk Time)



PSTN TO DIGITAL WIRELESS COMMUNICATION GATEWAY

Our modular wireless communication gateway range with complete 4G voice network compatibility provides a simplistic standalone solution in lieu of arranging conventional phone lines and is specifically built to replace existing PSTN phone lines being decommissioned during nbn™ network migrations, or in new digital network installations.



Meets ACMA RCM Compliance

Compatible with emFONE &
all ACMA approved telephones.

EASE OF INSTALLATION & GUIDANCE

The em-4GE cabinet can be easily installed without any change to the existing building infrastructure. The gateway can be installed remotely in the MDF Room, Electrical cupboard or Lift Motor room utilising the existing telephone cabling for connectivity to the Lift Telephone. Your Electrical / Communications contactor can easily install these with an available GPO and connection to the lift phone lines.

The em-4GE2 model (Dual SIM) aligns with the guidance proposed by the Department of Communications – Best practice guide.

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

The em-4GE is the complete standalone solution for the future:

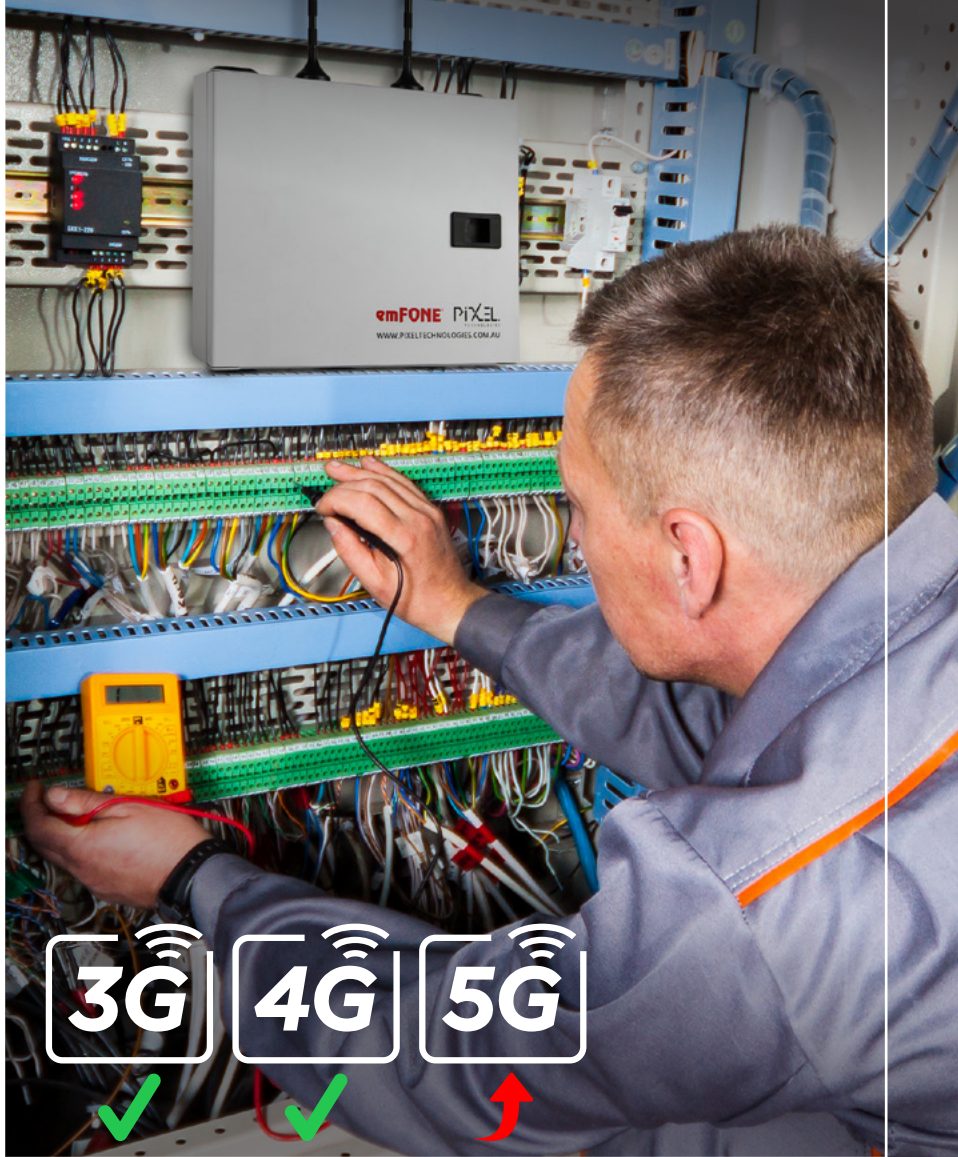
- 3G compatible
- 4G compatible
- 5G future upgradeable

Technical DATA: •

Sim Card: Single or Dual nano SIM format

Mobile Antenna: 2dBi Antenna supplied as standard

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
(Telstra, Optus, Vodafone)



• Technical DATA:

PTE-FXS Line Voltage: 48V

Line Current: 30mA standard.

emFONE compatibility: All Models

REN (Ringer Equivalence Number) = 3

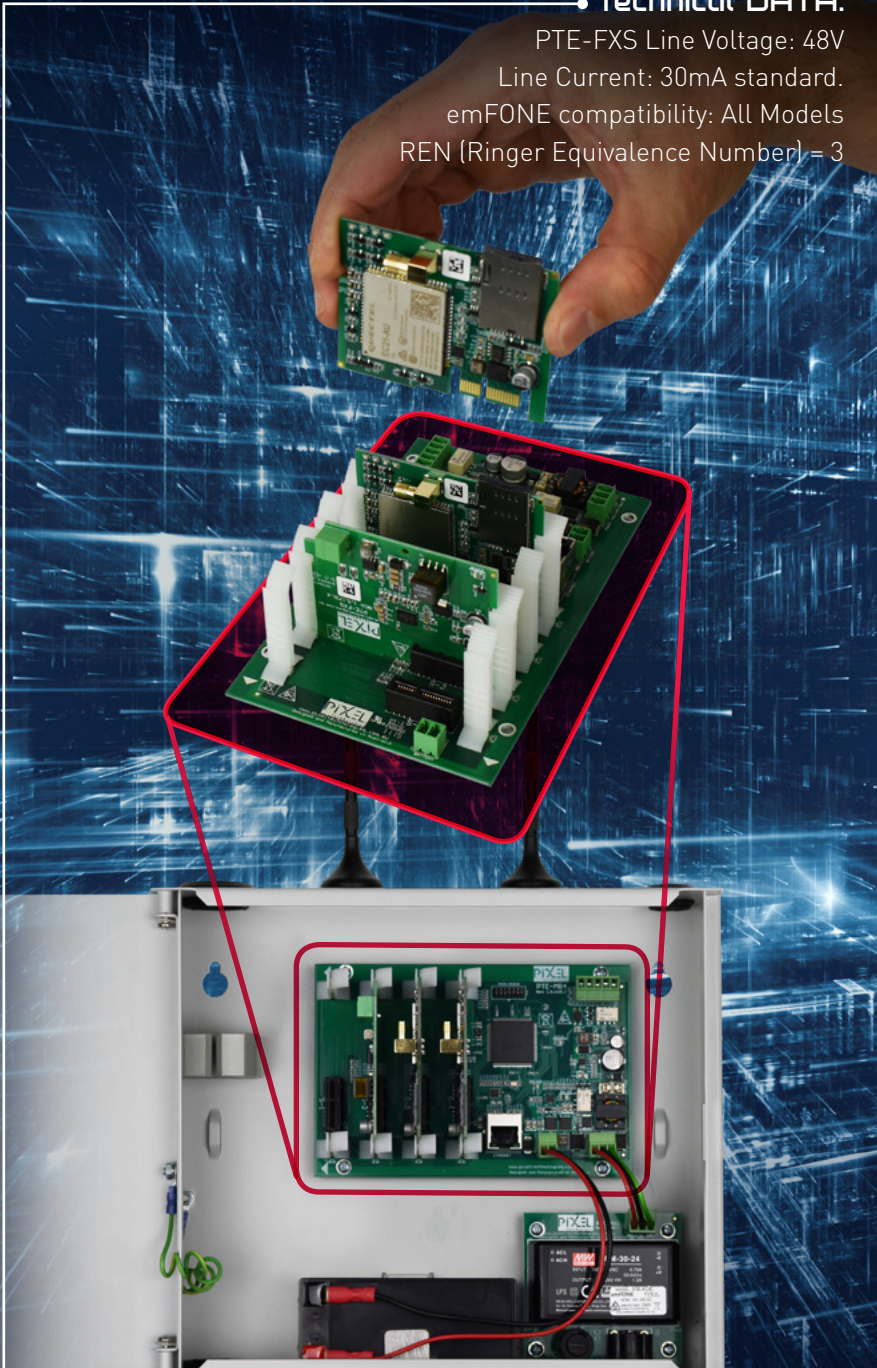
SYSTEM MODULAR DESIGN & OPTIONS

With its modular design the em-4GE gateway comes available in a series of models and options.

The PTE-4G is the card that connects the system to the 4G network.

The PTE-FXS (Foreign eXchange Subscriber) interface is the port that delivers the analogue line to the auto dialing telephone. In other words it's the "plug on the wall" that delivers a dial tone, battery backed up current and ring voltage.

The PTE-FXO (Foreign eXchange Office) interface is the card that receives - UNI-V, PABX or VoiP gateway with an analogue port.



MODELS

em-4GE1 – Built for home lifts or non-commercial buildings. Configured with a single SIM card to dial out in the event of an emergency or when a person is in need of assistance.
(NON back-up callout ability)

EM-4GE2 – Dual SIM gateway built for buildings in NBNTM network areas or similar. Configured with two independent SIM cards provided by two independent network service carriers. This ensures that if one network is down the secondary SIM card will operate in its place.
(Recommended Fail-Safe Option)

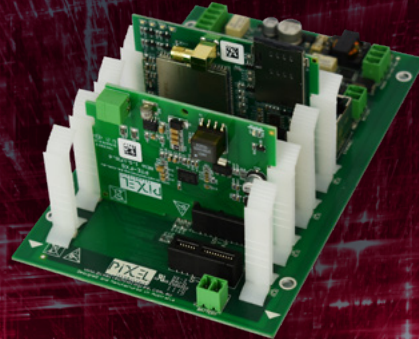
EM-4GE0 – Configured with a FX0 card and Single SIM, the FX0 can be used as the primary call out line connecting to a NBNTM UNI-V, PABX or to any VoIP system through its FXS port. This system will automatically switch over to the backup 4G network should the FX0 port loose power.
(Alternative Fail-Safe Option)

Technical DATA:

Dimensions - Wall Cabinet: H220xW260xD75mm

Dimensions - Antenna: H96xW30mm

em-4GE1

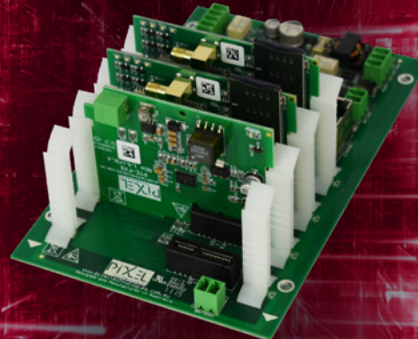


4G



FXS

em-4GE2



4G

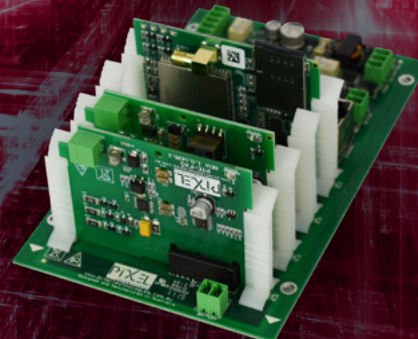


4G



FX0

em-4GE0



4G



FXS



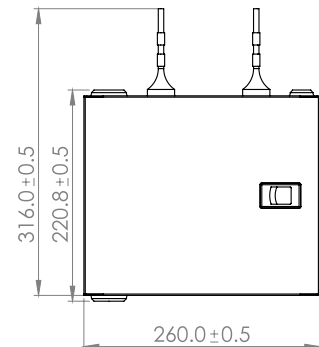
FX0



INTELLIGENT REPORTING & PROGRAMMING

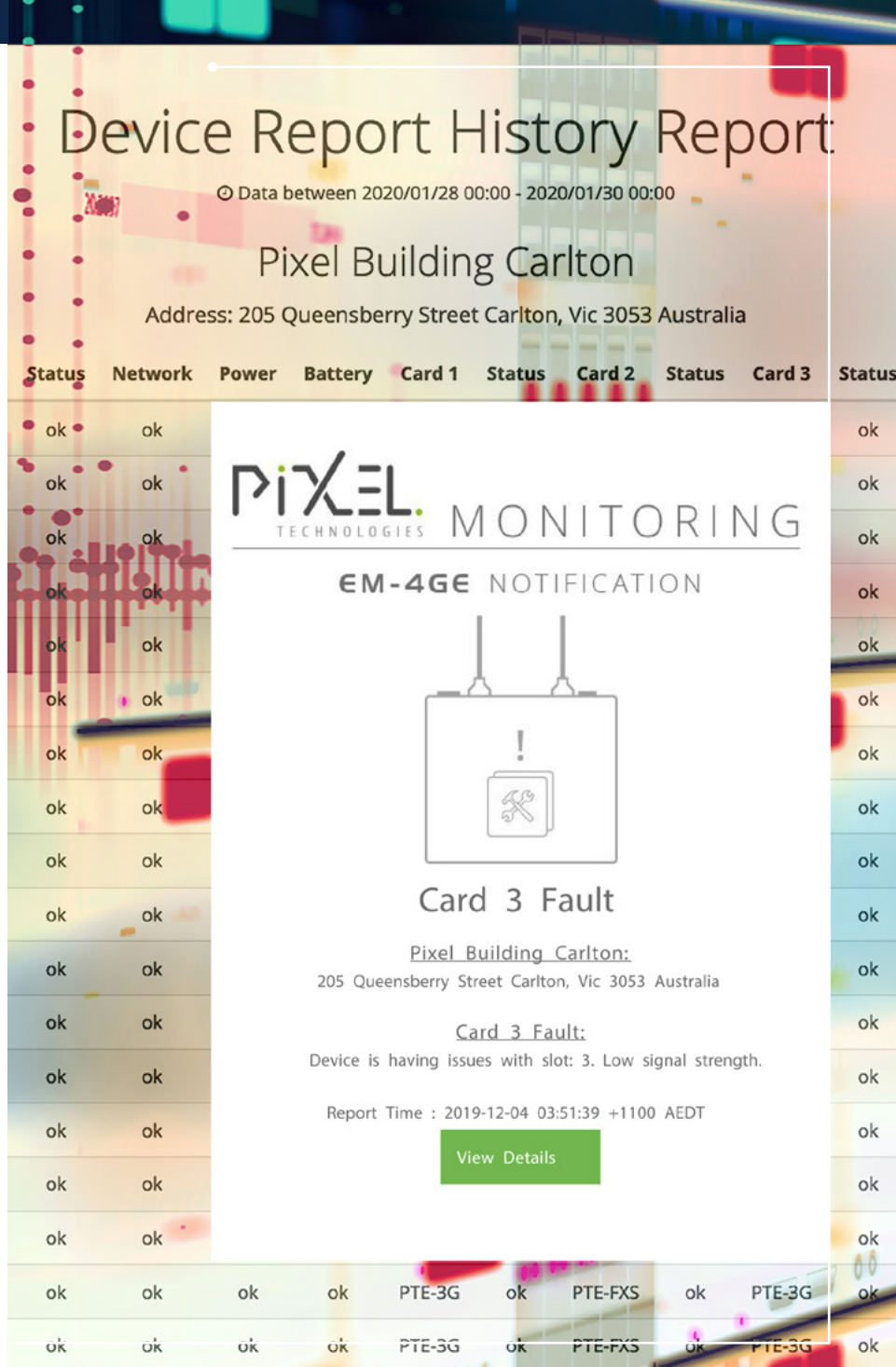
System settings can be easily programmed via the provided SMS commands, features include Hotline setup, in-dial whitelists, and system status, showing the cards current connectivity settings and status.

The gateway is also capable of alerting via SMS on Power Failure, Power restoration, Battery status and Alarm calls to a single mobile phone number.





As an optional extra we can provide a web portal for system programming and status reporting via our Pixel monitoring web service. Pixel Monitoring will monitor your lift telecommunications 24/7 and alert you when there is an issue with your emergency phone line. Remote monitoring, programming and status reporting for your wireless gateway. Track network status, faults, reports and more...





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