Wireless Communication Gateway Solution

Proudly Designed & Manufactured In Australia

RESPONSIBLE SUPPLIER NUMBER: E5405
The Future Of Wireless Communication Gateways

The EM-4GE is the complete standalone solution for the future.

Compatible & Future-Proof Roadmap
EM-4GE Service Details

Designed to match the PSTN specifications with up to 2km line feed capability

Compatible with all wireless mobile networks Australia-wide

Easily upgradeable to 4G and other future wireless networks

Installation can be migrated without any interruption to your existing services

Configurable with two or more mobile networks for more reliable connectivity

Suitable for FTTP, FTTN, FTTB, HCF and a VoIP gateway connection with an FXO port
EM-4GE Features

Battery back-up supply, up to 4 hours talk time

Automatic fault notifications and remote management via SMS & online web service.

Easy on-site installation & maintenance

Self testing & reporting in accordance to EN: 81-28
EM-4GE Features

- Designed to operate LINE powered telephones
- SMS & voice communication with gain control
- Compatible with emFONE & all ACMA approved telephones
- Durable, self-contained wall cabinet designed for industrial applications
Turn off line voltage to FXS when no SIM is present or the network is unavailable

OPTO-Isolated call filtering in accordance to EN: 81-28

The relay will open when the power or network is unavailable

Tested to withstand 5000V transients on connected trailer cables & power supply
Tested To Australian Standards

RCM Compliance Approved

Tested & Approved To:
AS/CA S042.1:2015, AS/CA S042.4:2015
AS/CA S042.1:2015, AS/ACIF S042.3:2005
AS/NZS 60950.1:2015

Responsible Supplier Number:
E5405

The Solution | EM-4GE
Ease Of Installation

**Machine Room**
The system can be installed directly into the Machine Room

**Electrical Room**
Utilise the building’s electrical room with zero interference to the existing infrastructure

**MDF Room**
Install the system in the MDF Room and utilise the building’s existing telephone cabling to the Machine Room
EM-4GE1

Single Mobile Network Module

With No Back-Up Callout Ability

PTE-3G
PTE-FXS

ACMA RCM Approved
RSN: E5405

The Solution | EM-4GE1
EM-4GE2

Dual Wireless Mobile Network Modules

Fail-Safe Option

- PTE-3G
- PTE-3G
- PTE-FXS

ACMA RCM Approved
RSN: E5405
Primary FXO With Back-up Single Mobile Network Card

Alternative Fail-Safe Option

- PTE-FXO
- PTE-3G
- PTE-FXS

ACMA RCM Approved
RSN: E5405
EM-4GE/IS Comprehensive Intercom Package For All Lift Communications

- Battery Backed Up System
- Capable Of Driving 4 Lifts, 13 Stations Per Card
- Machine Room Intercom Station
- TOP Of Car Intercom Station
- PIT Intercom Station
- Programmable Via SMS Or LAN Port Using Built-In Web Server
EM-4GE/IS

Dual Wireless Mobile Network Modules With Intercom Controller

- PTE-IS
- PTE-3G
- PTE-3G
- PTE-IS*

*Optional Expansion Card For Connection Of Up To 8 Lifts

ACMA RCM Approved
RSN: E5405

Intercom Solution | EM-4GE/IS
User Friendly SMS Programming Makes Changing Settings Easy
SMS Reporting

The System Will Alert You Of Power Status, Battery Status & Alarm Calls Made Via SMS.
System Programming & Status Reporting
Via Pixel Monitoring Web Service

SQL Database
- No limit to connected units
- TCP/IP connection from both ends

Web Service Details

Hosting available anywhere
- Local, cloud or third party (Pixel)

Heartbeat every 60 seconds &
network checking every 15 seconds

Less than 100 megabytes of
data usage per month per unit
Monitor Network Uptime/Downtime, Group Data By Carrier, State, City or Other
Monitor Faults & Alarm Reports Sent

- Breakdown of the percentage & type of reports made
- EN:81 alarm acknowledgment: Time of alarm vs job completed.
- State by state breakdown of The number & type of reports made
Geographically Locate Your Device & Monitor System Status
<table>
<thead>
<tr>
<th>Features</th>
<th>EM-4GE1</th>
<th>EM-4GE2</th>
<th>EM-4GEO</th>
<th>EM-4GE/IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery back-up supply, 4 hours talk time</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with all wireless mobile networks Australia-wide</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>SMS notification in the event the battery needs replacing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Self testing &amp; reporting in accordance to EN: 81-28</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Easy on-site installation &amp; maintenance</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with emFONE &amp; all ACMA approved telephones</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>SMS &amp; voice communication with gain control</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Turn off line voltage &amp; line tones to FXS when no SIM or network available</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>N/A</td>
</tr>
<tr>
<td>Easily upgradeable to 4G and other future wireless networks</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tr>
<tr>
<td>Monitor system data &amp; program the device via online web service</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tr>
<tr>
<td>Automatic notifications of all lift phone faults &amp; alarms via SMS &amp; web service</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Durable, self-contained wall cabinet</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Designed to operate LINE powered telephones</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>N/A</td>
</tr>
<tr>
<td>OPTO-Isolated triggered input</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fault relay contacts</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tested to withstand 5000V transients on connected trailer cables &amp; power supply</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ACMA approved RCM compliance</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Redundancy network connections</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Suitable for all FTTP, FTTN, FTTB and VoIP gateways</td>
<td>✗</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Recommended Use</td>
<td>🏡</td>
<td>🏢</td>
<td>🏢</td>
<td>🏢</td>
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</tbody>
</table>
Existing Products & Communication Systems

**em-1**
emFONE Emergency Telephone
A reliable and easy to use emergency telephone perfected to maintain communication for a person in need of assistance.

**em-2**
emFONE Emergency Telephone
A line powered emergency point telephone perfected to maintain communication for a person in need of assistance.

**CD-LX8**
Lift Intercom System
The emFONE LX System is an auto-dialling lift intercom system designed to save both time and money in all aspects of the installation.

**CD-LX1**
Digital IP Communication System
Accommodates all emergency & building communication needs. Machine room, lift intercoms, help points & security cameras all monitored from a control console.

Approved Solutions For The Lift Industry

E5405