

3G Communication Module



Overview

The 3G Communication Module is an expansion module which allows Challenger panels to communicate over 3G wireless networks.

The 3G Communication Module connects directly to Challenger control panels and fits natively to the powerful Challenger communication path framework. This allows the 3G Communication Module to be used for multiple connection types (e.g. alarm monitoring and management software) and act as the primary or redundant connection.

Setup of the 3G Communication Module is simple. All required settings can be configured either through the Challenger keypad or management software. No additional cases or power supplies are required because the unit is mounted directly on the Challenger panel.

Maintenance is also made easy. The firmware can be updated remotely through the Challenger panel using management software. System faults with the unit are sent to management software or central monitoring so you can be alerted immediately if something is wrong with the system.

Customers can select their own telecommunication provider when using the 3G Communication Module. The unit is provided without a SIM card so customers are free to select a provider and plan that is best for them. Customers who purchase the 3G Communication Module are not locked into any ongoing contracts.

MOBILE DATA - IMPORTANT MESSAGE

Use of this product may consume large amounts of mobile data which could incur additional fees from your mobile provider.

Please refer to the Data Usage document for relevant examples.

Interlogix recommends that you ensure module setup is performed in conjunction with receiving software and end-user requirements. We also recommend that you check with your mobile provider periodically to ensure your plan is best suited for this type of product.

Features

- Report alarms.
- Connect to supported management software packages.
- Upload and download panel configuration.
- Physically connects directly on to Challenger control panel.
- No additional housing or power supply required.
- Act as primary or backup connection.
- High speed communication. Speed is typically limited by bandwidth of the cellular data connection.
- Always on, constantly polled connection. All communication is sent and received instantly.
- AES128/256 encryption.
- Remote firmware upgrade.

Resources

The Tecom Challenger portfolio provides a number of options to ensure your security needs are met, no matter what size.

Visit the resource library at www.interlogix.com.au for more information.

Firmware downloads

Keep your system running at its optimum level by installing the latest firmware and software on your security system.

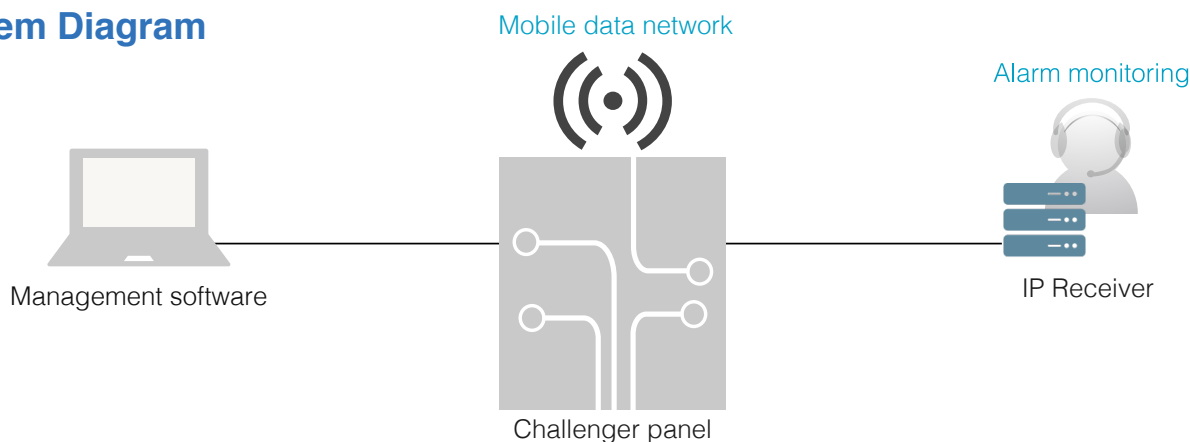
Visit www.interlogix.com.au/downloads to check that you have the latest firmware and software running.

3G Communication Module

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System Diagram



Specifications

Compatibility

Supported software packages	Forcefield 7.2 IP Receiver 2 Web Management System
Supported Tecom hardware	Challenger10 (V10-06 and above) ChallengerSE (V10-06 and above) ChallengerLE (V10-06 and above)
Supported communication formats	IP Receiver (with names) (TCP) Computer event driven (TCP)
SIM type	MicroSIM
SIM slots	2 (please check installation manual for information regarding SIM slot usage)

Physical and Environmental

Temperature	0 to 50°C
Relative humidity	0 to 90% noncondensing
Dimensions	90mm x 62mm x 17mm
Weight	150g

Cellular Frequencies

2G: GSM 850/900/1800/1900 MHz
3G: UMTS 800/850/900/1700/1900/2100 MHz

Regulatory Compliance

ACMA: C-Tick for Australia and New Zealand
ACMA: A-Tick for Australia
PTC 211 / 13 / 007 for New Zealand Telecoms

Current Consumption

Operating current	70mA (min), 100mA (typical)
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Ordering information

TS1053	3G Communication Module
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Specifications subject to change without notice.

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