GeoSIG
swiss made to measure

DATA SHEET

GXX-4GE Series 4G Modem

Overview

The GXX-4GE series are 4G modems which provide a secure wireless connection using the 4G network infrastructure for high speed data communications.

The GXX-4GE is a multi-band module solution with LTE-FDD / LTE-TDD and HSPA+ as well as GSM / GPRS / EDGE with up to 150 Mbps for downlink data transfer.

The 4G modem can be delivered as an external module, connected to and powered directly from GMS series recorders.

The unit is delivered with all necessary accessories, and peripheral units such as the cabling, connectors, antenna, etc as well as firmware and software, thus is ready to use out of the box together with the associated GeoSIG solution.

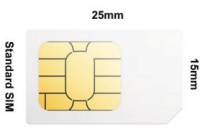
Key Features

- Multi-band LTE / HSPA+ and GSM / GPRS / EDGE
- High-speed wireless network support
- IP65 environmental protection, optional IP66 / IP67
- Supports 1.8 and 3 V SIM cards

Specifications

Functionality

Bands:	B38 / B40 / B4 LTE - TDD B1 / B3 / B5 / B7 / B8 / B20 LTE - FDD B1 / B5 / B8 UMTS / HSDPA / HSPA+ 900 / 1800MHz GSM / GPRS / EDGE
SIM Card:	Supports 1.8 and 3 V SIM cards Standard SIM (25 mm x 15 mm)



Management

Configuration:	Through GMS series

Power

Powered directly from the GMS series

Consumption:	56 mA standby 140 mA Peak Tx

Data Transfer (maximum values)

LTE CAT 4:	50 Mbps / 150 Mbps UL / DL
HSPA+:	5.76 Mbps / 42 Mbps UL / DL
UMTS:	384 Kbps UL / DL
EDGE / GPRS:	85.60 Kbps UL / DL

Data type used depends on telecommunication operator / provider and data transfer capacity in the chosen network.

Environment / Housing

GXX-4GE dimensions:	80 x 160 x 60 mm
GXX-4GE weight:	approx. 300g including cables
Environmental protection:	IP65, optional IP66 / IP67
Temperature:	
Operating:	-30 °C to +80 °C
Storage:	-40 °C to +85 °C

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www.geosig.com

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