

1 INTRODUCTION

This manual is applicable to module type Telit GE864-QUAD Automotive.

The Telit GE864-QUAD Automotive modules are small, lightweight and low power consumption devices that allow Automotive application digital communication services wherever a GSM 850 GSM 900, DCS 1800, PCS1900 network is present.

Based on the Telit GE864 module family concept, the GE864-QUAD Automotive modules are the low cost connector-less best solution for medium to high quantity project in Automotive applications.

The Telit GE864-QUAD Automotive module includes features like GPRS, Voice, Circuit Switch Data transfer, Fax, Phonebook and SMS support, 'Easy GPRS' and embedded TCP/IP stack.

It is specifically designed and developed for Automotive usage and dedicated to portable data, voice and telematics applications needing the added quadband and GPRS Class 10 improved speed features:

- Fast Worldwide GPRS Telemetry and Telecontrol
- Worldwide Smart GPRS Automotive Security systems
- Worldwide Smart Automotive and Fleet Management applications

The design and development of the Telit GE864-QUAD Automotive modules is in line with the following documents:

3GPP TS 51.010-1 GSM/EDGE Radio Access Network; Digital cellular telecommunications system (Phase 2+): Mobile Station (MS) Conformance Specification; Part 1. Conformance Specification.

EN 301 511 Global system for mobile communications (GSM); Harmonised standard for mobile stations in the GSM 900 and DCS 1800 bands covering essential requirements under Article 3(2) of the R&TTE directive (1999/5/EC).

EN 60950 Safety of information technology equipment, including business equipment.

EN 610004-2 Electrostatic discharge immunity test level 4

EN610004-3 Electromagnetic Compatibility (EMC). Part 4: Testing and measurement techniques Section 3: Radiated, radio-frequency, electromagnetic field immunity test.

EN 301 489-07 Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS).

EN 301 4891-1 Electromagnetic compatibility (EMC) standard for radio equipment and services. Part 1: Common technical requirements

EN 300 342-1 Electromagnetic compatibility (EMC) for European digital cellular telecommunications system (GSM 900MHz and DCS 1800MHz). Part 1: Mobile portable radio and ancillary equipment. (Ref. 9.1)