

# Telit's DM Tester User Guide

1VV0300876 Rev. 1 - 28/01/2010





# Contents

- 1. Introduction ..... 6**
  - 1.1 Scope .....6**
  - 1.2 Document Organization .....7**
  - 1.3 Document History .....7**
- 2 Serial Communication ..... 8**
  - 2.1 Module on EVK2 .....8**
  - 2.2 Module mounted on PCB .....9**
- 3 Virtual port on PC ..... 10**
- 4 DMT connection. .... 12**
- 5 Acronyms and Abbreviations ..... 13**







# 1. Introduction

## 1.1 Scope

The purpose of this document is to describe the setup of the Telit DM Trace Tool and how to start and configure a Trace Session as it is supported by **Telit modules UMTS family**.

**DM Tester (DMT)** is a tool dedicated to tracing the behavior of the Telit module firmware (FW). To do this DMT has to be connected to the module by a USB serial link.

Once linked together, module can communicate with DMT and a sequence of binary data will be reported. For most scenarios and analysis we will not need to gather all the module traces, but rather only the traces related to the functionality of the investigation. This leads to the definition of "**Configuration file**" i.e. a file which define a subset of all the possible information that can be traced from the module. This is important because some of the information will not be useful in the investigation so it's important to gather the right amount of information by selecting the proper trace configuration.

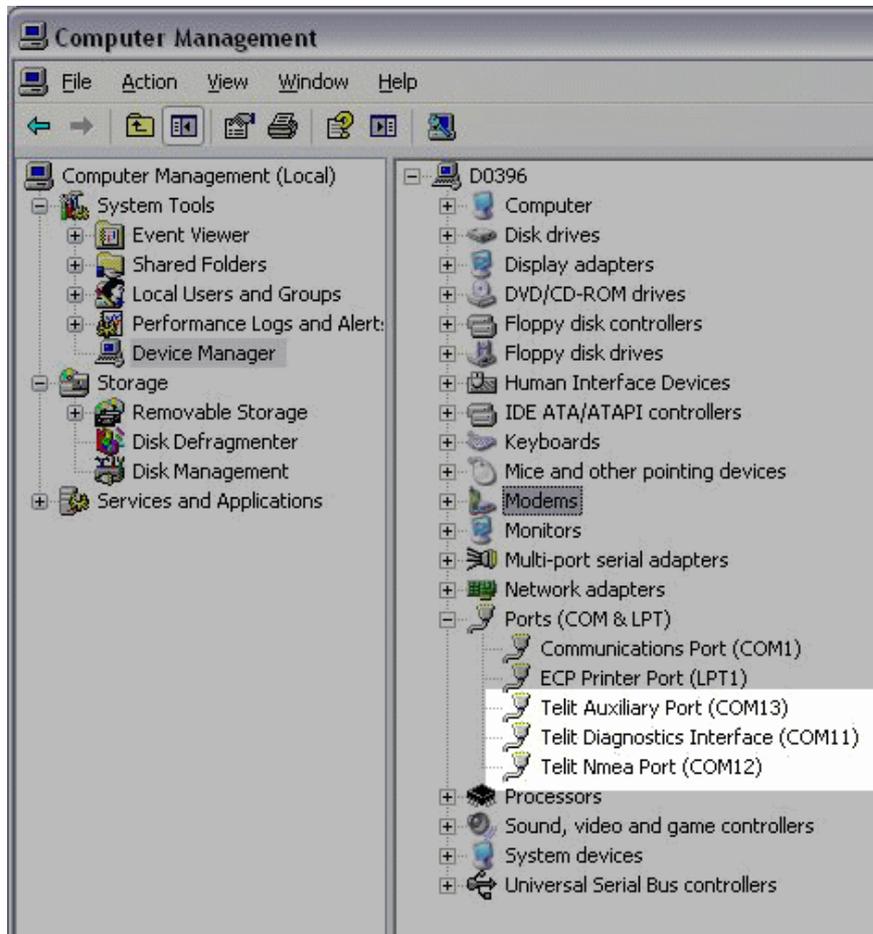












**Figure 3 virtual serial port: UC864-G**





