

FluctuS UMTS Module

FluctuS UMTS 1.1 Module - FL01-UM02



The **UMTS module** allows you to increase the connectivity of your FluctuS Mother Board, in order to reach **FluctuS Cloud** in real time.

The module is equipped with a PCB antenna for a totally integrated solution into the Mother Board.

It is possible to control the expansion module by:

- Standard AT Commands
- Library Functions of FluctuS BIOS



TCP/IP Stack



HSPA 3.6



Quad Band EDGE



AT Commands

Product Features

General	
Module	Based on Module Telit UE910V2
Band	Quad-band GSM 900/1800 MHz - UMTS 900/2100 MHz
Supply voltage	3.8V
Tx Power	Class 1 (1W) at 1800/1900 MHz Class 4 (2W) at 850/900 MHz Class 3 (0.25W) at UMTS
Rx Sensitivity	-109 dBm
Maximum Data Rate	HSPA Downlink 3.6 Mbps - Uplink 384 Kbps
Temperature range	-40 °C / + 85 °C

Interface	
Molex connector compatible with FluctuS "Wan Port"	
50 Ohm GSC antenna connector	
UART port interface 3.3V (Tx, Rx only)	
Auto Baudrate	
SIM CARD Holder on FluctuS Mother Board	

Additional Features	
Integrated ON/OFF and Power Save Modes	
Integrated TCP/IP Stack, FTP, SMS Service	
Network status LED on FluctuS MotherBoard	

Control	
AT commands	
FluctuS Bios functions	

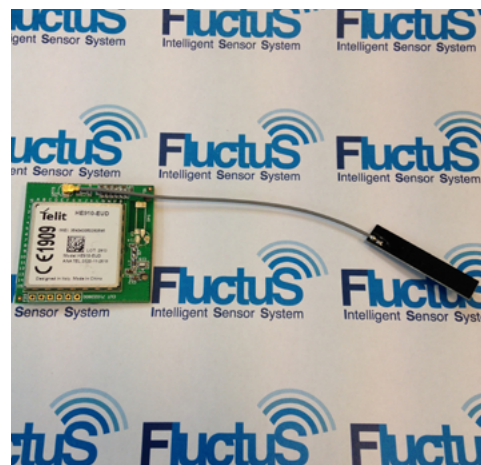
Visit www.e-fluctus.com for more information

Installation Guide

STEP 1 Module and Antenna



STEP 2 Install the Antenna



STEP 3 Put the Antenna on Mother Board with adhesive near the edge

