

## Part Number: AM1

### BLE-5 to Cat-M Gateway



## Product description

Rev. 1– 08/07/2020

### Overview

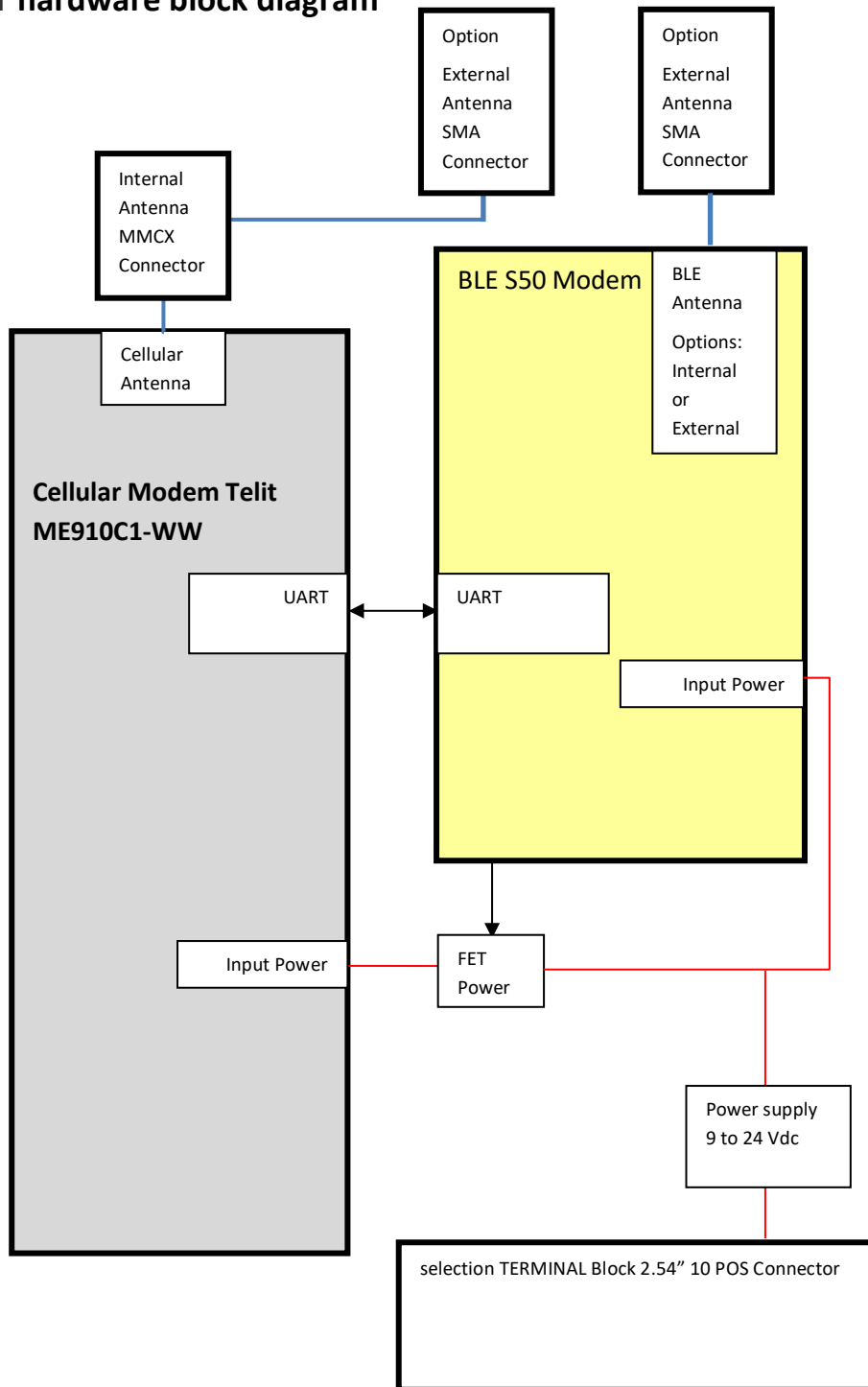
The AM1 is a complete system solution for BLE 5 to LTE Cat-M Gateway application, Based on Telit LTE Cat M **ME910C1-WW** and BLE-5 **S50** module, the unit includes microcontroller for watchdog and real time operation.

## Hardware Interface Description

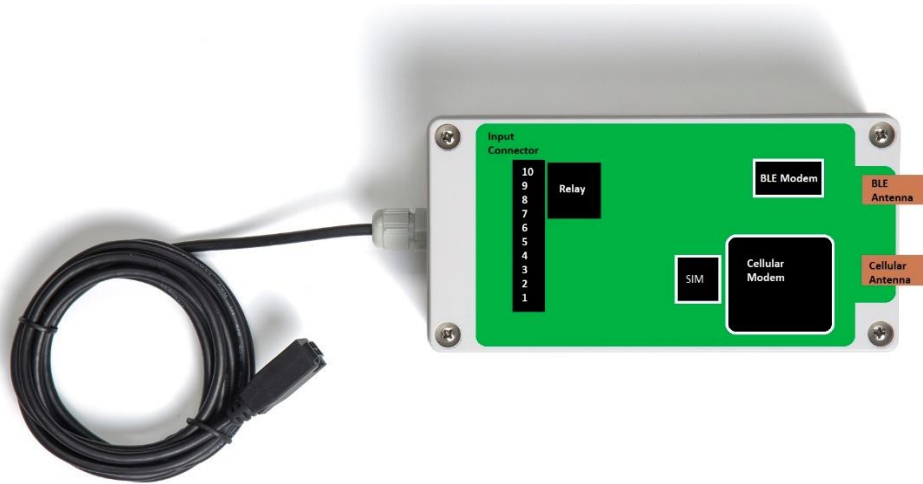
### Main features of the EZ-PG

Feature	Implementation
Incorporates Telit Cellular Modem: <b>Option1:</b> LTE Cat-M ME910C1-WW with 2G fall over	The Telit module handles all cellular processing
PIC16F1825 Microcontroller	The Microcontroller use for, Watch Dog and real time application
Cellular Modem Frequency bands	<b>Telit ME910C1-WW</b> <b><u>4G bands:</u></b> B1(2100), B2(1900),B3(1800),B4(AWS1700),B5(850), B8(900),B12(700), B13(700),B18(800), B19(800),B20(800),B26(850),B28(700) <b><u>2G bands:</u></b> B2(1900),B3(1800),B5(850),B8(900)
BLE 5 Modem	Telit S50
Power	9-24 vdc 1A power supply
Internal combo Antenna	Cellular LTE bands antenna 2.5db BLE antenna 3db
Options assemble on hardware	<b>option 1:</b> Relay 10A 220v <b>option 2:</b> Two digital inputs

## AM1 hardware block diagram



## Internal Description



## General Product Description

### Dimensions

External Dimensions: 160mm x 80mm x 55mm  
Plastic IP66

### Weight

The weight of the EZ-PG is 400 grams.

## Environmental requirements Temperature range

	Ambient temperature in plastic enclosure	Note
Operating Temperature Range	-40°C to +85°C	The module is fully functional
Storage and Non-Operating Temperature Range	-30°C to +70°C	
Protection	IP66	
Humidity range	5%-95% Non-Condensing	

## RoHS compliance

All hardware components are fully compliant with the EU RoHS and WEEE Directives