OPERATIONAL DESCRIPTION

The Favite FS-GM102 RFID reader module is designed to read and program any EPC Class 1 Generation 2 tag (see below) and issue event reports to a host computer system. The reader module is also designed to read and program Class 1 Generation 2 tags. Class 1 Generation 2 tags are "passive" devices meaning they do not have a battery or other onboard power source. They are powered solely by the RF energy transmitted by an RFID reader.
They communicate with the reader through backscatter modulation in which the tags do not actually transmit RF energy. Instead, they change their reflective characteristics in a systematic way and reflect RF energy back to the reader. An analogy to this is the way you can use a mirror to transmit information by reflecting light from the Sun

The transmitter of the EUT is powered by 3.8Vdc from the host equipment. The antenna is patch antenna with UFL type connector.

For more detailed instruction, please take a look at the user's manual.