RFRain4SMART Operational Description:

The RFRain Zone Manager Software is the one which controls the whole operation of our Reader.

It has the functionality to Start/Stop Reader and to do lots of other things like giving an alert when any event occurs to your email or as an text message, also it can send data or information of RFID tags stored in the database to the remote server which you can access sitting in any part of the world.

How It works: Once we start the Reader module through our Zone Manager Software, The Reader Module inside our RFID reader starts reading RFID Tags. It radiates the Radio Frequencies through the antennas connected to the reader which will charge or excite the RFID tags (passive tags) and they (RFID Tags) responds back with the information (Usually EPC number) associated with the RFID Tags.

Once we receive the EPC Number, Our Zone Manager Software Adds that tag into our database which lots of additional information like Access Time, Location.

Our Zone Manager Software also has the capability to adjust the frequency that is radiated from the Antenna connected to Reader Module inside. We can configure it to radiate under FCC Guidelines Frequency Between 902-928Mhz as well EU Guidelines frequency between 865-868 Mhz.