

Meter Reading Module (MRM)

Hardware Spec:

Lan Port (10/100Mbps) -01

Serial Port – RS232/RS485 – 01 – Baudrate – 300 Bps to 38400 bps or more

Modem – 3G

Power Supply – 20 -60 Vdc (Demo)

Digital Input – 01

Software Spec:

Lan Port – Download/Upload Configuration and Download/Upload Firmware

Serial Port – Reading Meter (Modbus, DLMS and Proprietary protocol (Future))

Modem – Support both 2G and 3G Network

Digital Input – Redundant Power Supply and Notification msg to be sent to pre-configured Mobile Number and should get update in Server

Functionality:

Meter Reading – Polling should happen in two ways (Configurable)

1. Every day on a schedule time (e.g) 11:30. 18:00
2. Every Time interval (e.g) 1 hr, 15 min

File update in server – Sending file to server (Configurable)

1. Once in a day (Time to be entered)
2. In Time Interval (e.g) 1hr, 30 min, 15 min

Configurable Parameter:

Meter Selection – Meter Protocol selection should be available in UI

Serial Port Settings – Should be available in UI

Meter Polling and file sending should be configurable in UI

Server Details should be able to configure in UI

SMS configuration for Input should be available in UI (text should be editable)