**Overview**

An advanced meter reading device which automatically collects data from Electronic Energy Meters using optical port and transfers the acquired data to the server with its in-built 2G/ 3G communication technology. It is compact, easy to install in existing meter boxes and can be remotely configured or programmed.

**Features**

* Compact and Easy to Install
* Online monitoring of vital Billing parameters and tamper events
* Load Control
* Power outage, Quality Power Management and Tamper Management
* Energy auditing and accounting
* Data collection from different energy meters irrespective of make and model.
* Supports any of the communication technologies including 2G/ 3G
* Inbuilt 6 KV surge protected SMPS based Power Supply
* 1 Open collector output for external device control and 1 Input for tamper sensing
* Supports MIOS compliant/ Modbus / IEC 62056-21/ DLMS Meters
* Integrated IEC 1107, Pact, ANSI compatible optical port for interfacing most of the reputed energy Meters.
* Two-way communication facilitating monitoring, control and administration
* Facilitates GPS time synchronization from Central server for effective energy audit.
* Type Tested for protection against Environment, EMI - EMC, Surge, AC Voltage, etc.

**Application Areas**

* Smart Grid Solutions
* Automatic Meter Reading

**Available Models**

* Transparent – works on AT command
* Intelligent – Qualcomm processor based

**Technical Specifications**

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| --- | --- | --- | --- |
| C:\Users\Aamani\Downloads\3-Memory.png | Memory | RAM | 8MB |
| C:\Users\Aamani\Downloads\inputoutput port.png | I/O Ports | Output ports | 1 (Open Collector) |
| Input ports | 1 (Opto Isolated) |
| Other | RS232/Optical Port |
| C:\Users\Aamani\Downloads\5-Wireless.png | Wireless Connectivity | Connectivity | GSM/GPRS (38.4kbps max, depends on service provider) |
| C:\Users\Aamani\Downloads\6-Power.png | Power | Input Voltage | 1-P/3-P AC with wide voltage range (90-470V) |
| Max. Output power | 2W for GSM 900MHz  1W for GSM 1800MHz |
| C:\Users\Aamani\Downloads\9-Dimensions.png | Dimensions | H x W x D in mm | 185 x 95 x 43 |
| C:\Users\Aamani\Downloads\10-Operating.png | Operating Conditions | Operating Temperature | -10°C to +60°C |
| Relative Humidity | 5-95% (Non-condensing) |