**Overview**

A compact version of the regular DCU. Its built-in LPR modules acquire data from any Electronic Energy Meters and the in-built 2G/3G modules then transmit data to the Data Acquisition server. It eliminates conventional cabling requirements between meters and DCUs, thereby ensuring a quantum jump and data integrity of the system.

**Features**

* Compact and thereby very convenient to use
* Data collection from different energy meters irrespective of make and model
* Remote firmware upgradation
* Built-in encryption for data security
* Supports 2G/3G/4G communication technologies
* Source/destination addressing
* Online monitoring of vital parameters like voltages, currents, energies, demands and frequencies
* Power outage management
* Inbuilt universal power supply (1-P/3-P/12-48V DC) with optional battery backup
* Supports two way communication, facilitating monitoring, control and administration
* Type tested for protection against environment, EMI-EMC, surge etc.

**Application Areas**

* Smart Grid Solutions
* Automatic Meter Reading

**Technical Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Processor | CPU | High Speed ARM Cortex A7/A8 |
| Speed | Cortex A7 @900MHz  Cortex A8 @1GHz |
| C:\Users\Aamani\Downloads\2-OperatingSystem.png | Operating System | OS | Linux |
| C:\Users\Aamani\Downloads\3-Memory.png | Memory | RAM | 512MB |
| Flash | 8GB |
| C:\Users\Aamani\Downloads\4-CommunicationPort.png | Communication Ports | Serial | RS-232, RS-485 |
| Connectivity | 2G/3G/4G |
| LAN | Ethernet 10/100 Mbps |
| Other | Low Power Radio Module |
| C:\Users\Aamani\Downloads\6-Power.png | Power | Universal power supply | 1-P 90-270Vac/ 3-P 90-270Vac |
| Battery | 3.7V/2200mAh |
| C:\Users\Aamani\Downloads\9-Dimensions.png | Dimensions | H x W x D in mm | 142 x 83 x 33 |
| C:\Users\Aamani\Downloads\10-Operating.png | Operating Conditions | Operating Temperature | -10°C to +60°C |
| Relative Humidity | 5-95% (Non-condensing) |