

## Common Automatic Meter Reading System CAMR

- Compact
- Easy Installation
- Environmentally protected, IP55
- Remote Management (Programmable, Configurable)
- Highly Intelligent
- IP Based ( GPRS)
- Supports DLMS Meters



Analogs Tech India Ltd., a pioneer in Hand Held Terminals and computers for electricity meter reading and billing applications, explored further to provide single point multi technology Automatic Meter Reading Solutions (GSM, GPRS, 3G, Low Power Radio modem PLCC technologies). GSM/GPRS based Common AMR (CAMR) system is the most intelligent, compact & complete AMR hardware, ready to install in existing meter boxes, to interface with any meters

### Salient Features of CAMR

- On line monitoring of vital Billing parameters (like energy, demand, MD), Tamper events, Power quality
- Load Control (Smart Grid Compliant) (optional)
- Power Outage Management and Power Quality Monitoring with real time alerts
- Energy accounting
- Data collection from different energy meters, irrespective of make and model.
- Automatic GPRS connection and watch dog for communication
- In built universal power supply (single phase or three phase) and also has built in Power Backup
- Can collect data from a meter communicating on a proprietary or open domain protocol (like IEC1107, DLMS etc..)
- Supports two way communication, facilitating for monitoring, control and administration.
- Tamper Management
- Facilitates GPS time synchronization from Central server for effective energy audit.
- Type Tested for protection against Environment, EMI - EMC, Surge & AC Voltage etc.
- Firmware over the air (FOTA)

### Specifications Model No: AC626A

- Built in ARM Processor.
- 4MB Non volatile Data memory.
- 1 Open collector output for external device control. (optional)
- 1 Input for tamper sensing. (optional)
- RTC with backup power.
- Bandwidth 900/1800/2100 MHz E-GSM/GPRS Modem.
- Maximum output power: 2W for GSM 900 MHz.  
1W for GSM 1800 Mhz.
- Internet Services: TCP, UDP, HTTP, FTP
- Inbuilt 6 KV surge protected SMPS
- SIM Interface: 3V/5V.
- Sensitivity -107DBM
- 6dBi gain screw or mag mount antenna with 1meter cable length
- GSM Data Rate: 14.4 Kbps max (depends on service provider)
- GPRS Data Rate: 115 Kbps max
- Operating Voltage: 3Ø : 45V - 470V AC  
1Ø : 100V - 270V AC
- Online Monitoring of voltage, current energies, power, power factors etc...
- Compact, light weight and easy to mount / install
- Variable sampling rates ie: 1 to 30 min.
- RS 232 serial link

**Dimensions :** 141 x 83 x 33 mm

**Operating Temperature :** Shall be -10 to +60 degrees

**Humidity :** Shall be 95% RH

**VA burden :** < 3.5 VA

*Note: Preliminary Data Sheet : Features / Specifications subject to change to improve product performance*

