



# PRAYUG

## RS232- RS485 TO GPRS GATEWAY

"PRAYUG" is an all - in - one gateway solution with a completely innovative approach focusing on data transmission in smart metering systems, home and industrial automation.

The compact design is powered by Tiva™ C Series micro controller with a high performance ARM® Cortex™- M - based architecture. Integrated with 256KB Single -Cycle Flash memory, 32kb Single-Cycle SRAM and 80-MHz operation

Available in full Transparent with MODBUS RTU (Protocol) gateway, for AMR SCADA, General Remote Monitoring, control and data exchange applications.



### HIGHLIGHTS

- ❖ Powered by ARM ® Cortex TM-M4F-MCU full feature quad band GSM/GPRS, Class 10 Plug & Play.
  - True Transparent data Transfer
  - Protocol Independent
- ❖ Access / Control
  - Remote Configuration by SMS/GPRS
  - Remote Activation by SMS
- ❖ Rich Data Options
  - TCP for reliable data transfer
  - UDP for fast and bulk data transfer
  - HTTPS for Secured Data Transfer



# SPECIFICATION

<b>Controller</b>	ARM @ Cortex TM-M4F-MCU
<b>Memory</b>	Micro SD Card supports up to 32GB
<b>Baud Rate</b>	Baud 300 to 115200bps
<b>Protocol Supports</b>	TCP/UDP, SMTP, FTP, HTTP, PPP supported
<b>GPRS</b>	2G / 3G ( optional ) /4G ( optional )
<b>Output Power</b>	Maximum O/P Power 2W for GSM 900 and 1w for GSM 1800/1900
<b>Operating Temperature Range</b>	-40° C deg to +85° C deg
<b>Power Supply</b>	6.5V to 32V DC
<b>Dimension</b>	103X83X33 MM
<b>Weight</b>	200 g
<b>Housing</b>	Alluminium
<b>Housing Classification</b>	Ip54
<b>External Connections</b>	❖ Isolated RS485 & RS232. ❖ Sim card Holder ❖ 2-pin Terminal Connector for power supply. ❖ SMA Antenna Connector

## Application

- ➔ Automated Meter Reading
- ➔ Street Light Monitoring
- ➔ Home Automation
- ➔ Industrial Automation
- ➔ Power and Energy
- ➔ Intelligent Transportation system
- ➔ Railways

