Order Information

Model: V3_RF_GPRS_01

RF to GSM/GPRS Gateway

"V3_RF_GPRS_01" 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 "V3_RF_GPRS_01" brings together the Ublox GSM/GPRS and Radiocrafts short range RF technology offer in a unique cost saving, fully customized solution.

Full user application supporting all gateway functionalities runs on ARM® Cortex™ -M4F MCU. Gateway application allows direct data exchange between a remote IP host and each node of the RF Modules thus establishing a complete transparent connection between the nodes and remote IP host.

HIGHLIGHTS

- Powered by ARM® Cortex™ -M4F MCU
- Full Feature quad band GSM/GPRS, Class 10
- Short Range RF Modules
  - 433MHz
  - 865MHz
  - 915MHz
  - 2.4GHz
- Serial Based Configurations
- SD Card Interface support

INTERFACES

- RS232
- SIM Plug-in Card Reader
- Pin Power supply Connector
- SMA Antenna Connector

FEATURES / TECHNOLOGY

- GSM / GPRS
- Short Range RF
- Voice / Data / SMS
- TCP / IP

POWER SUPPLY

- Input Vtg : 6-32Vdc

POWER CONSUMPTION

- GSM 850/900 : 203mA @5V
- GPRS 850/900 : 150mA @ 5V
- GPRS 1800/1900 : 232mA @ 5V
- Idle Consumption : 45mA @ 5V
- Sleep Mode : 4mA @ 5V

Note: Any proprietry protocols can be built in to this Gateway up on request