

### Qisda M33G & M33AG Dual-Band GSM modules Dual-Band ( 900/1800 MHz ) cellular engine

Low cost

Dual-Band

GPRS Class 10

TCP/IP stack

44 pin connector

Analog Audio I/O

Extended  
Temperature range

ROHS compliant

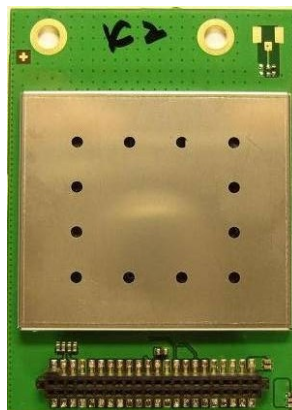
CE approved

The M33 GSM/GPRS module can provide wireless communication solution for any product that has requirement of voice communication and data transmission through state of the art cellular technology.

With the Qisda M33 GSM/GPRS module, devices are enhanced in both functionality and usability based on state of the art wireless technology. ( M33AG is a reduced functionality version. It has no GPRS function and TCP/IP stack. )

Some main application device of this module are:

- Telematics
- Wireless terminals
- Alarm/Security systems
- Automatic meter reading
- Remote control
- Mobile trunk
- Wireless PSTN





## **General Features**

Dual-Band (900/1800)  
Output Power  
Class 4 (2W) @ 900 MHz  
Class 1 (1W) @ 1800 MHz  
Dimension: 55 x 40 x 5,95 mm  
Temp: -20 to +60 C (Operating)  
-40 to +85 C (Storage)  
AT Command: GSM 07.05/07.07

## **GPRS Data (M33G only)**

Multi-Slot Class 10  
4 down/2 up max. 5 slot  
support TCP/IP

## **Interface**

44pin female connector  
1 x USB2.0 (Debug only)  
1 x UART , 6 x GPIOs,  
Analog Audio I/O  
U. FL RF connector or antenna pad

## **GSM CSD**

Transparent CSD up to 14.4 Kbps  
USSD

## **Voice**

HR, EFR, FR, AMR  
Echo Cancellation & Noise Reduction  
Telephony Emergency Call DTMF  
Handset, Headset, Car Kit and Hand Free

## **SMS**

PDU and Text Mode  
Point-to-Point MO/MT  
SMS Cell Broadcast

## **GSM Supplementary**

CLIP / CLIR / COLP / COLR  
Call Wait / Call Hold /  
Conference Call Call Forwarding Call  
Barring AoC

## **Additional Features**

Stack TCP/IP (TCP, UDP)  
SIM Phonebook Fixed Dialing Number  
(FDN)  
SIM Toolkit Real Time Clock  
Network LED Support

## **FAX**

Group 3, Class

## **Approvals**

R&TTE, GCF, CE, CTA