

## Qisda M26, Quad-Band GSM/GPRS Module

### - Smallest Size, Maximized Connectivity

Ultra Compact

Qisda M26 is the smallest Quad-Band GSM/GPRS Leaded-Chip-Carrier (LCC) module (31 x 27 x 2.8 mm) on the world market.

LCC Package

The low profile and small size of the unique LCC package for Qisda M26 enable the design of very compact applications. Since connectors are eliminated, the solution cost is significantly reduced compared to conventional mounting.

Quad-Band GPRS

GPRS Class 10

With its ultra-compact design and extended temperature range, the Qisda

TCP/IP stack

M26 product line is the perfect platform for high-volume M2M applications and mobile data devices. Additional features such as integrated TCP/IP protocol stack extend functionality of the application at no additional cost.

Extended Temperature range

Extended RF sensitivity

On account of its small dimension, the GPRS Class 10 module gives you a high amount of flexibility when incorporation voice and data communications into your own application.

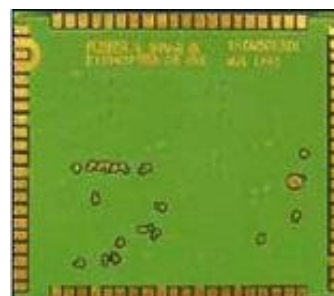
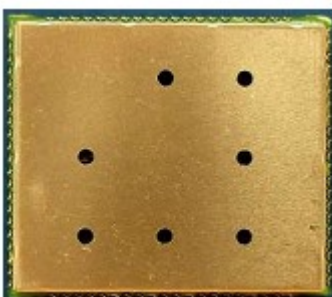
Various interfaces

In short, Qisda M26 is a fully-fledged voice and data communications solution designed for use in M2M and mobile computing applications.

ROHS compliant

CE approved

As a part of Qisda's corporate policy of environmental protection, all products comply to the RoHS (Restriction of Hazardous Substances) directive of the European Union (EU Directive 2002/95/EG).



Original size: 31 x 27 x 2.8 mm

### General Features

Package: LCC (82 pins)  
Quad-Band (850/900/1800/1900)  
Output Power  
Class 4 (2W) @ 850/900 MHz  
Class 1 (1W) @ 1800/1900 MHz  
Dimension: 31 x 27 x 2.8 mm  
Temp: -20 to +80 C (Normal)  
-40 to +85 C (Restricted)  
AT Command: GSM 07.05/07.07/07.10  
Power Consumption: TBD Sensitivity:  
TBD

### GPRS Data

Multi-Slot Class 10  
Mobile Station Class B CS1-CS4  
PBCCH

### Interface

1 x USB2.0 Full Speed (Debug only)  
1 x UART (1.8V) 12 x GPIOs  
1 x ADC 1 x I2C 1 x SPI For Ext. 2nd  
UART 1 x PWM (Buzzer out) 2 x  
Analog Audio  
1 x Digital Audio

### 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