



Quectel Wireless Solutions

Professional Wireless Solution Provider



M12 GSM/GPRS Module Presentation

July 2010

□ M12 General description

- Product advantages
- Target applications
- Hardware architecture
- Standard AT Command
- Enhanced software technologies
- Mechanical dimension

□ Support

- Technical materials package

Extremely Low Standby Current Consumption

1.1mA @ DRX=5

High Data Speed

900/1800MHz
GPRS Multi-slot Class 12



Compact Size

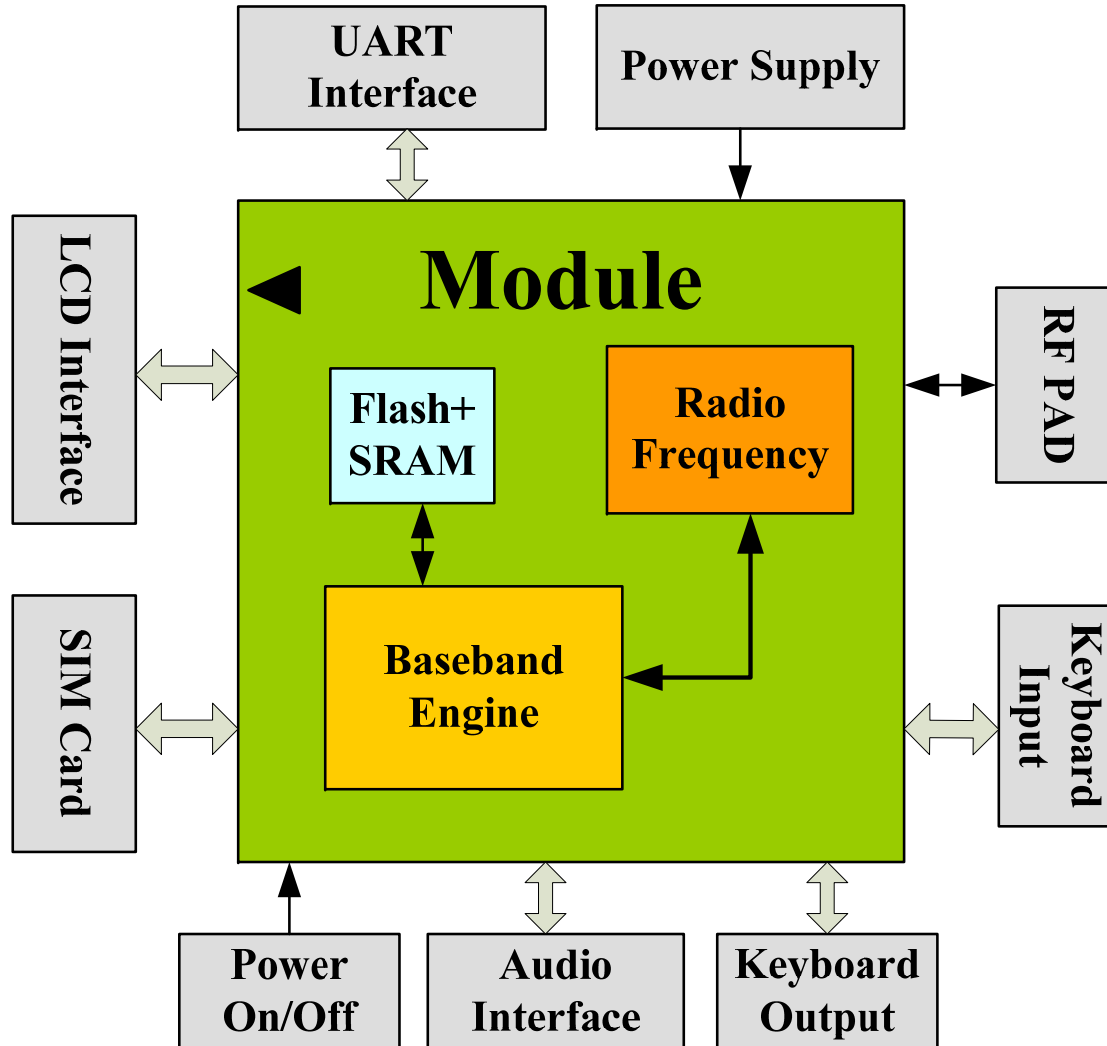
29mmx29mmx3.6mm

Extremely Strong PCB

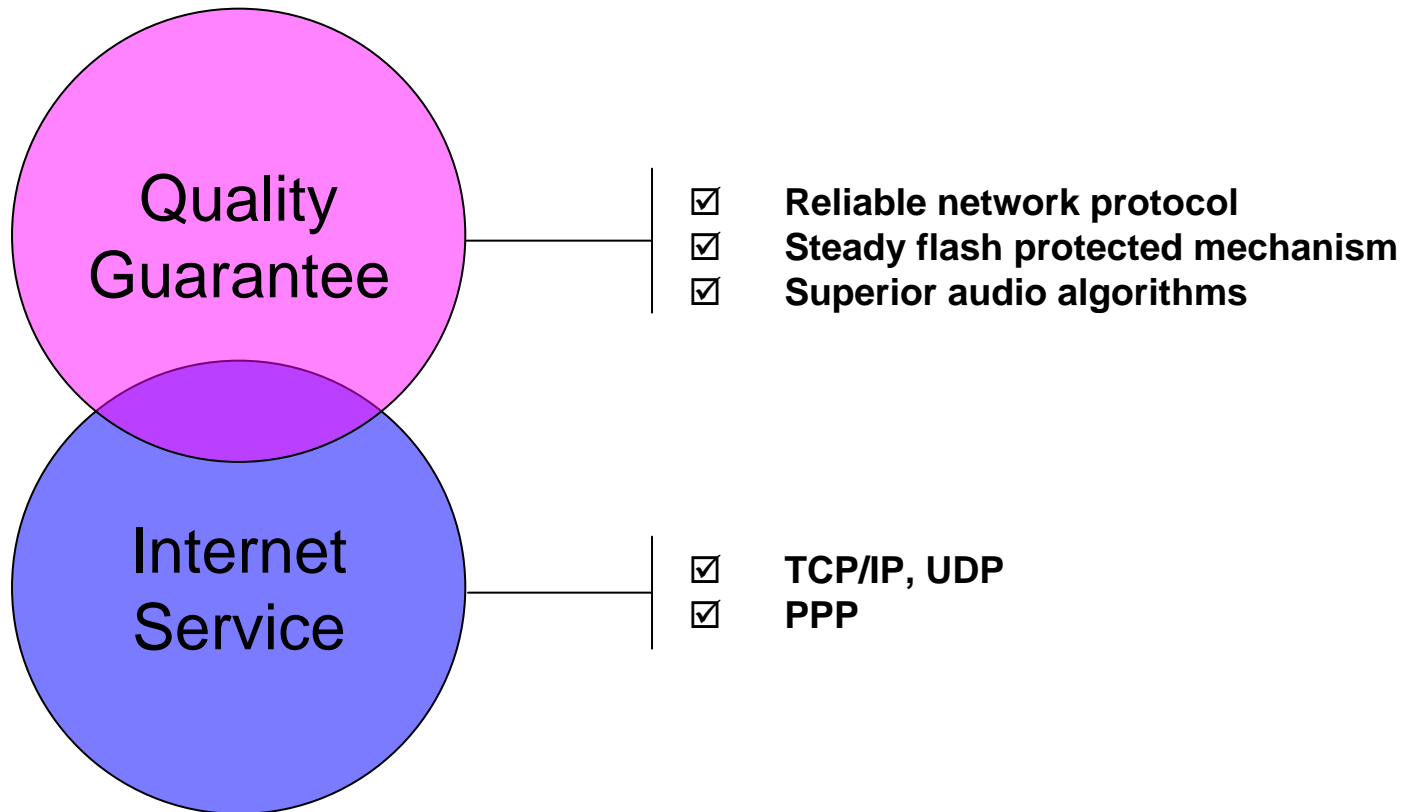
PCB Thickness:1.6mm

- Tracking and Tracing
- Telemetry
- Wireless POS
- Security
- Connected PND
- Health Care
- Remote Maintenance & Control
- Voice Application

Hardware Architecture



- Standard V.25ter AT commands
- GSM 07.07
- GSM 07.05 (SMS)
- GPRS AT commands in accordance to GSM 07.07
- TCP/IP stack AT commands
- STK (SIM Application Toolkit)
- Quectel defined AT commands (enhanced functions)





Length: 29 mm (± 0.15 mm)
Width: 29 mm (± 0.15 mm)
Height: 3.6 mm (± 0.3 mm)
Weight: 6g

➤ **Technical materials package**

- Hardware, software, specification
- Application notes package
- Debug tool, download tool, test tool, EVB package
- Certification & test report package

➤ **Development tool**

• **Interfaces**

- ✓ RS-232 interface
- ✓ Power supply
- ✓ Antenna interface
- ✓ Debug UART interface
- ✓ Earphone interface

• **Features**

- ✓ Network status LED
- ✓ Power key
- ✓ Emergency off key
- ✓ Charging (optional)



M12 EVB KIT



Thank You!

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