M66 GSM Module Presentation

November, 2014

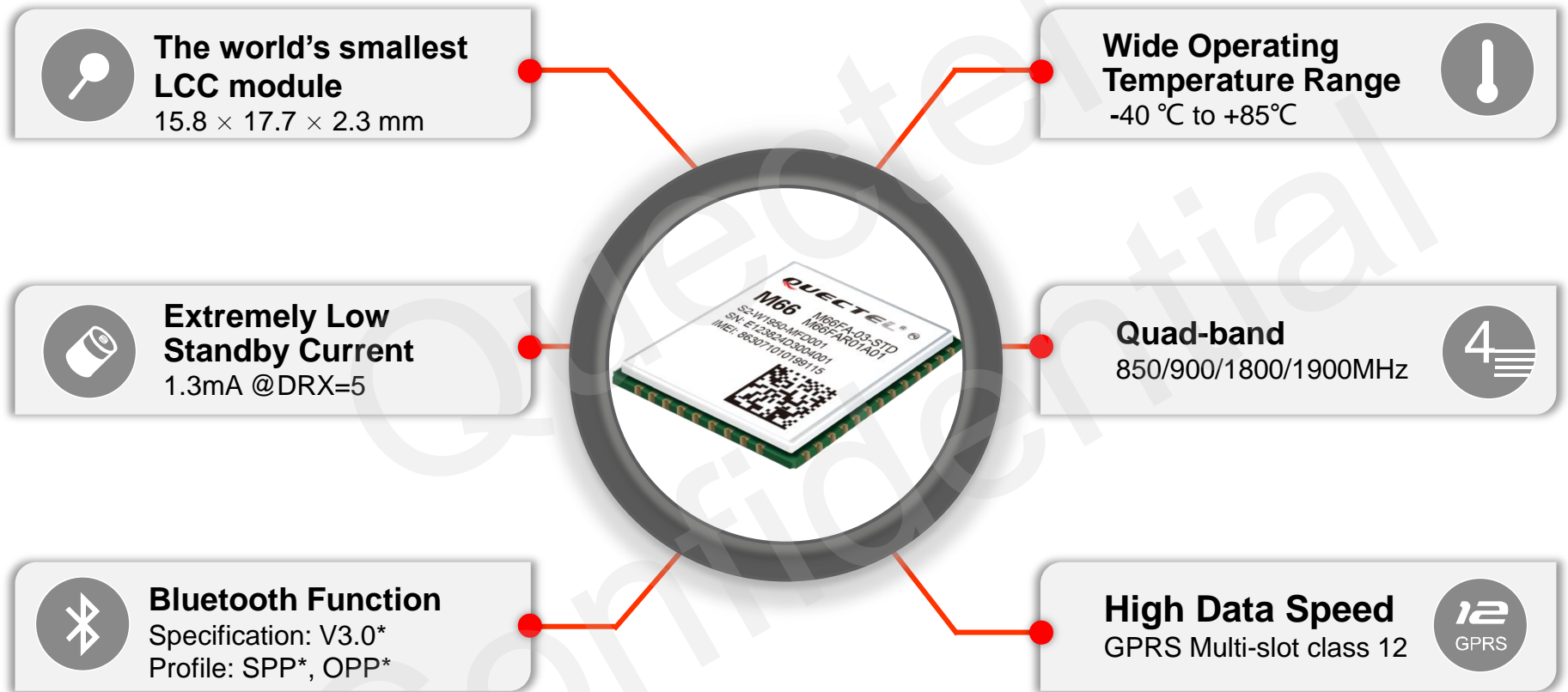www.quectel.com

Contents

General Description

M66 Vs. Competitors' Products

Support Package

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Highlights

The world's smallest LCC module
15.8 × 17.7 × 2.3 mm

Wide Operating Temperature Range
-40 ℃ to +85℃

Extremely Low Standby Current
1.3mA @DRX=5

Quad-band
850/900/1800/1900MHz

Bluetooth Function
Specification: V3.0*
Profile: SPP*, OPP*

High Data Speed
GPRS Multi-slot class 12

Hardware Architecture

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Software Advantages

Quality Guarantee

- Reliable network protocols
- Steady flash protection mechanism
- Superior audio algorithms
- High sensitivity

Quality Guarantee

Internet Services

- TCP/UDP
- PPP
- FTP
- HTTP
- SMTP
- CMUX
- MMS
- SSL

Internet Services

Advanced Functionalities

- Bluetooth*
- QuecFOTA
- QuecLocator
- Jamming Detection
- Quectel OpenCPU

Advanced Functionalities
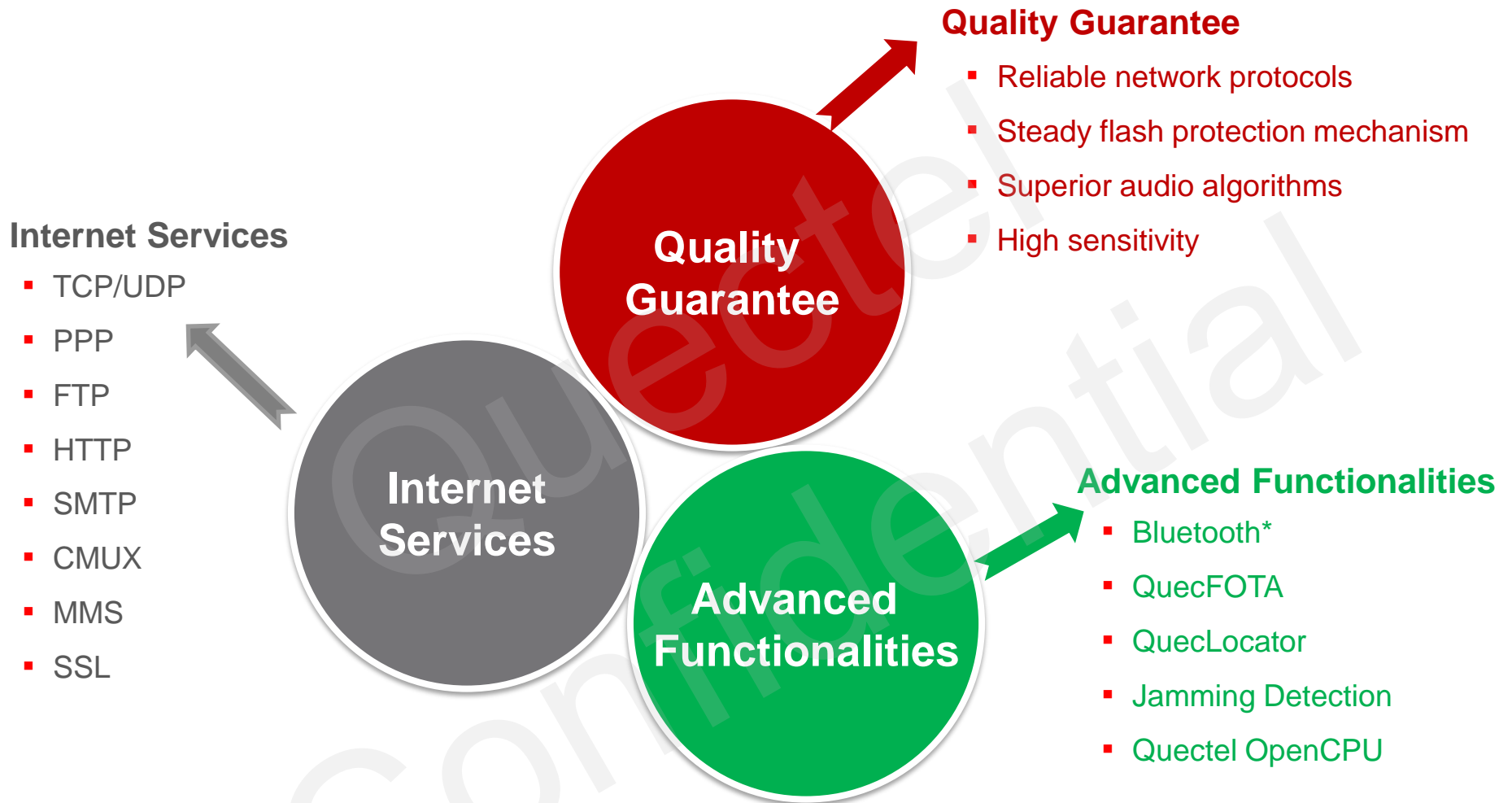
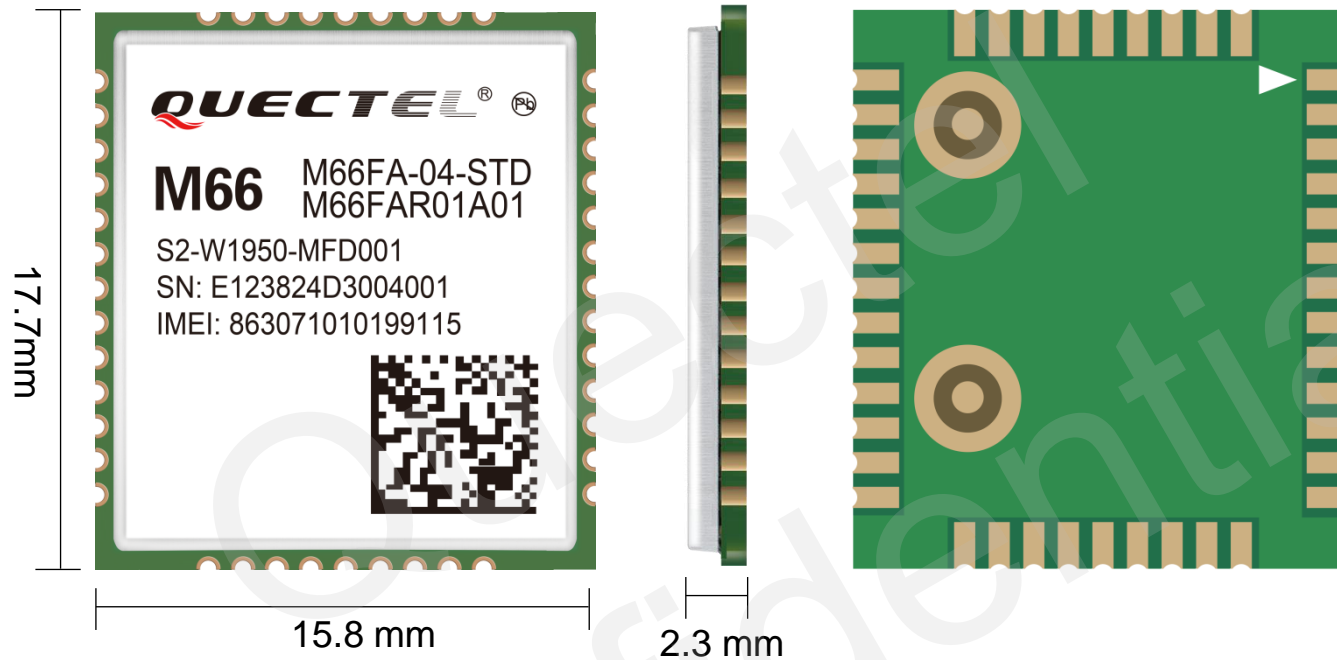QUECTEL

Enhanced AT Commands

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

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Mechanical Dimensions

Length: 17.7mm (±0.15mm)
Width: 15.8mm (±0.15mm)
Height: 2.3mm (±0.2mm)
Weight: Approx. 1.3g

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Target Applications

Smart Metering

Wireless POS

Personal Tracking

Industrial PDA

Wearable Devices

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M66 vs. Competitors' Products

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M66 vs. Competitors' Products

M66 vs. XE866 & SIX800H & WX6318				
Product Features	**M66**	**T-company XE866**	**S-company SIX800H**	**S-company WX6318**
Size (mm)	15.8×17.7×2.3	17.2×13.2×2.1	15.8×17.8×2.4	15.05×17.85×2.5
Weight (grams)	1.3	1.5	1.35	
Package	LCC, easier soldering and production	LGA package	LGA package	LGA package
Band	Quad-Band	Quad-Band	Quad-Band	Dual-Band (GSM900/1800MHz)
GPRS Class	Class 1-12 (configurable)	Class 10	Class 1-12 (configurable)	Class 10
Sensitivity (dBm)	-109 @850/900/ 1800/1900MHz	-108 @850/900MHz -107 @1800/1900MHz	-108 @850/900/ 1800/1900MHz	-109 @900/1800MHz
Audio Interface	2 output channels and 1 input channel	1 input/output channels	2 input/output channels	2 output channels and 1 input channel
PCM	Yes	Yes	Yes	Yes
Bluetooth	Yes	No	Yes	No
UART	3（one for debug）	2（one for debug）	1	2（one for debug）

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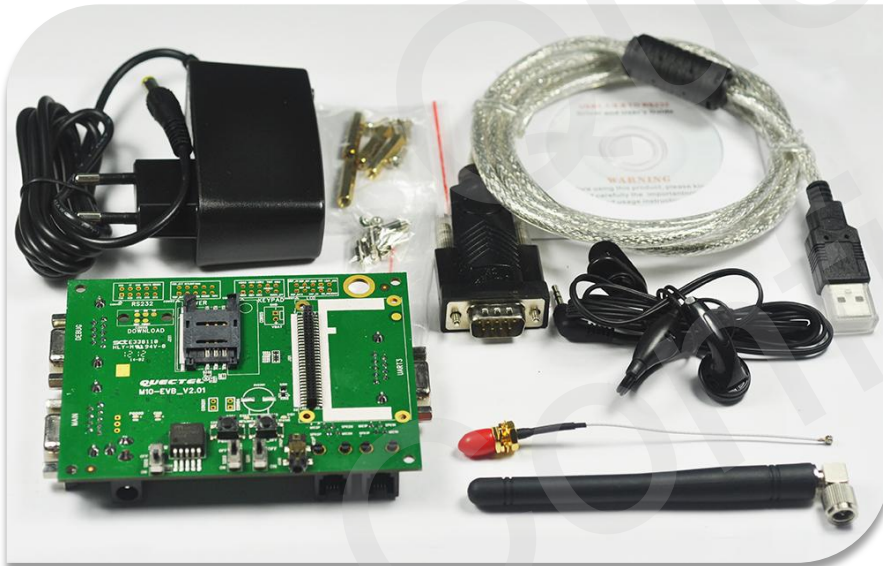**M66 vs. Competitors' Products**

Support Package

Technical Materials Package

Technical Materials Package

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

Development Tool

- Interfaces
    - 3 RS-232 interfaces
    - Power supply
    - Antenna interface
    - Debug UART interface
    - Handset interface
    - Earphone interface

- Feature
    - Network status LED
    - Power key
    - Emergency off key

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Q&A…

Thank you