

DATA SHEET SIERRA WIRELESS AIRPRIME Q2687 WIRELESS MODULE

Key Benefits

Self-contained E-GSM/DCS/GSM850/PCS/GPRS/EGPRS 900/1800/850/1900 quad-band embedded module

Supports Open AT Application Framework for embedded standard ANSI C applications to natively execute

Network

3GPP Protocol Stack Compliancy Release 98

Support for TS.34 IoT Communication Efficiency None

Wireless Protocol Support

2G/GPRS Supported

3G/UMTS None

4G/LTE None

Frequency Band Support

2G Bands (MHz) 850, 900, 1800, 1900

3G Bands (MHz) None

4G Bands (MHz) None

3GPP Classes/Categories

CSD V.110 (9.6 kbps)

GPRS Multislot Class (DL/UL) 10 (64.2 kbps, 42.8 kbps)

EDGE Class (DL/UL) 10 (237 kbps, 237 kbps)

HSDPA Category (DL) None

HSUPA Category (UL) None

LTE Category None

Short Message Service (SMS) Supported (Text, PDU, Cell Broadcast)

Speech Codecs FR, HR, EFR, AMR

Firmware Updates Cable

Positioning Support

GPS Supported

GLONASS None

Control Plane A-GPS Support Supported

SUPL A-GPS Support Supported

Regulatory

eCall Supported

Standalone/Assisted GNSS None

TTY None

Hardware

Dimensions (L x W x H, mm) 40 x 32.2 x 4

Weight (g) 8

On-board Memory Supported

Operating Temperature - Extended Operation (°C) -40 °C to +85 °C

Supply Voltage Range (V) 3.2 - 4.5

Interfaces

USB 2.0 (480 Mbps) Supported

ASC0 HS Serial Modem Supported

GPIO Lines Supported

UICC and U/SIM (1.8 V/3 V) 1.8 V/3 V

Module ON/Reset Supported

ADC and I²C Supported

4-Wire HS Serial Interfaces ASC1 Supported

Analog Audio Supported

Digital Audio Supported



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Certification Details

GMA Certification	Yes
Deutsche Telekom Certification Date (Initial Firmware)	B74f00gg.Q2687G (15.01.2010)
Certified Deutsche Telekom Affiliates	AL, AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	DTAG IDU-TIV
DT Certification Type (Conditions)	Full (Limited implementation of DT modem settings requirements)
Deutsche Telekom Certification Date (Firmware Update 1)	R7.47.6_q2686g (31.10.2013)

Deutsche Telekom Affiliate Country Codes

AL	Telekom Albania
AT	T-Mobile Austria GmbH
CZ	T-Mobile Czech Republic a.s.
DE	Telekom Deutschland GmbH
GR	COSMOTE Mobile Telecommunications S.A.
HR	Hrvatski Telekom d.d.
HU	Magyar Telekom Telecommunications plc
ME	Crnogorski Telekom a.d. Podgorica
MK	Makedonski Telekom AD – Skopje
NL	T-Mobile Netherlands B.V.
PL	T-Mobile Polska S.A.
RO	Telekom Romania Mobile Communications S.A.
SK	Slovak Telekom, a.s.



CONTACT

Deutsche Telekom AG
Friedrich-Ebert-Allee 140
53113 Bonn
iot-device-support@telekom.de



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