

DATA SHEET SIMCOM SIM800C

Low cost device
Extremely compact design at 17.6 x 15.7 x 2.3 mm

Key Benefits

Extended temperature range of -40 to +85 °C
Voice call and SMS support
43 pad SMT package

Network

3GPP Protocol Stack Compliancy	Release 99
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
NB-IoT	None
Frequency Band Support	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G Bands (MHz)	None
NB-IoT	None
3GPP Classes/Categories	
GPRS Multislot Class (DL/UL)	12 (85.6 kbps, 85.6 kbps)
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
Short Message Service (SMS)	Text, PDU
Speech Codecs	GSM-HR/FR/EFR, AMR-HR/FR
Protokoll Support	TCP/UDP/FTP/HTTP/MMS/SMTP/POP3/SSL/MUX

Firmware Updates	USB/UART only, no FOTA
Positioning Support	
GPS	None
GLONASS	None
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
Regulatory	
eCall	Supported
Standalone/Assisted GNSS	None
TTY	None

Hardware

Dimensions (L x W x H, mm)	17.6 x 15.7 x 2.3
Weight (g)	Ca. 1.3
On-board Memory	None
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 – 4.0 V, 4.0 V nominal
Interfaces	
USB 2.0 (480 Mbps)	None
ASC0 HS Serial Modem	None
GPIO Lines	Status, Netlight
UICC and U/SIM (1.8 V/3 V)	3 V, 1.8 V
Module ON/Reset	Supported
ADC and I ² C	ADC for CS voice
4-Wire HS Serial Interfaces ASC1	None
Analog Audio	Supported for CS voice
Digital Audio	None



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Certification Details

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	22.12.2017 (R14.18)
Certified Deutsche Telekom Affiliates	AL, AT, CZ, DE, GR, HR, HU,
Certifying Entity	ME, MK, NL, PL, RO, SK
DT Certification Type (Conditions)	DTAG IDU-TIV
Deutsche Telekom Affiliate Country Codes	Limited (GCF certification outstanding; resolution of chip-set-specific issues necessary, as per technical report)
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.



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