

# DATA SHEET SIMCOM SIM868 WIRELESS MODULE

## KEY BENEFITS

Low power consumption
Low cost device
Extended temperature range of -40 to +85° C
Quad-band 850, 900, 1800, 1900
Compact design with LCC / LGA pads
GNSS support
Voice call and SMS (Text/PDU format) support

## NETWORK

<b>3GPP Protocol Stack Compliancy</b>	Release 99
<b>Support for TS.34 IoT Communication Efficiency</b>	None
<b>Wireless Protocol Support</b>	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
NB-IoT	None
<b>Frequency Band Support</b>	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G FDD Bands (MHz)	None
4G TDD Bands (MHz)	None
NB-IoT Bands (MHz)	None
<b>3GPP Classes / Categories</b>	
CSD	None
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
NB-IoT Category	None
<b>Short Message Service (SMS)</b>	Text, PDU
<b>Speech Codecs</b>	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR UMTS AMR, UMTS AMR2
<b>Firmware Updates</b>	QuecFOTA

## Integrated Positioning Technology

GPS	Supported
GLONASS	Supported
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
<b>Regulatory</b>	
eCall	None
Standalone / Assisted GNSS	None
TTY	None

## HARDWARE

Dimensions (L x W x H, mm)	17.6 x 15.7 x 2.3
Weight (g)	1.5
On-board Memory	None
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 - 4.6 V
<b>Interfaces</b>	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	None
GPIO Lines	Supported
UICC and U/SIM (1.8 V/3 V)	1.8 V, 3V
Module ON/Reset	Supported
ADC and I2C	Supported
4-Wire HS Serial Interfaces SCA1	Supported
Digital Audio, prepared for Analog Audio	Supported

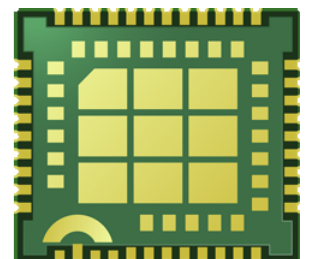


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## CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	14.09.2018 (1418B04SIM868M32)
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)	<b>Limited</b> (no GCF certification)
<b>Deutsche Telekom Affiliate Country Codes</b>	
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	Comrgski Telekom a.d. Podgorica
MK	Makedonski Telekom AD - Skopje
NL	T-Mobile Netherlands B.B.
PL	T-Mobile Polska S.A.
RO	Telekom Romania Mobile Communications S.A.
SK	Slovak Telekom, a.s.



## CONTACT

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