

# DATA SHEET HUAWEI ME909s-120 WIRELESS MODULE

## KEY BENEFITS

Cost-effective, lower-power LTE/UMTS/GSM connectivity optimized for broadband IoT applications

Designed for industrial-grade M2M applications such as vehicle telematics, tracking, mobile payment, industrial router, safety monitor and industrial PDAs

Enhanced features like FOTA, USSD, IPV6/IPV4 and Huawei enhanced AT commands

Extended operating temperature: -40 °C to +85 °C

## NETWORK

<b>3GPP Protocol Stack Compliance</b>	Release 8
<b>Support for TS.34 IoT Communication Efficiency</b>	RPM - None
<b>Wireless Protocol Support</b>	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	Supported
NB-IoT	None
<b>Frequency Band Support</b>	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands	B1, B2, B5, B8
4G Bands	B1, B2, B3, B4, B5, B7, B8, B20
NB-IoT Bands (MHz)	None
<b>3GPP Classes / Categories</b>	
CSD	Supported
GPRS Multislot Class (DL/UL)	12 (85.6 / UL 85.6 kbps)
EDGE Class (DL/UL)	12 (236.8 / 236.8 kbps)
HSDPA Category (DL)	24 (43.2 Mbps)
HSUPA Category (UL)	6 (5.76 Mbps)
LTE Category (DL/UL)	4 (150 / 50 Mbps)
NB-IoT Category	None
<b>Short Message Service (SMS)</b>	Yes
<b>Speech Codecs</b>	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, UMTS AMR, UMTS AMR2
<b>Firmware Updates</b>	Supported
<b>Integrated Positioning Technology</b>	
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)	30.0 x 30.0 x 2.52
Weight (g)	5
Operating Temperature - Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.2 - 4.2

## Interfaces

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, 3 V
ADC and I2C	Supported
Serial Interfaces 1.8 V (including automatic baud rate detection)	Supported
Digital Audio, prepared for Analog Audio	Supported

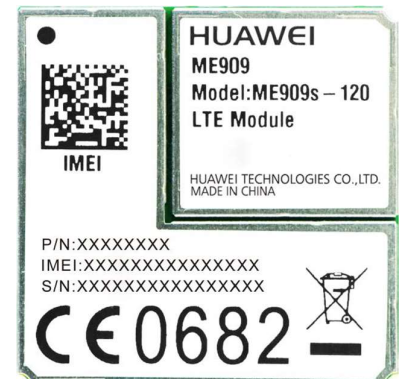


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## CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	23.09.2019 (11.617.15.00.00)
Certified Deutsche Telekom Affiliates	AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	DTAG ITS-IVA
DT Certification Type (Conditions)	<b>Full</b>
<b>Deutsche Telekom Affiliate Country Codes</b>	
AT	Magenta Telekom 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	Cmorgski 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.



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