KEY BENEFITS
Multi mode capability including high speed connectivity thanks to LTE cat. 4
IPv6 support
VoLTE support
GNSS supported (GPS, GLONASS)
Extended temperature range of -40 to +85º C
Compact design (30 x 30 x 2.9 mm)
Two variant available – miniPCIe and SMT
Voice call and SMS (Text/PDU format) support

NETWORK
3GPP Protocol Stack Compliance
Support for TS.34 IoT Communication Efficiency
Wireless Protocol Support
2G/GPRS
3G/UMTS
4G/LTE
NB-IoT
Frequency Band Support
2G Bands (MHz)
900, 1800
3G Bands (MHz)
B1, B5, B8
4G FDD Bands (MHz)
B1, B3, B5, B7, B8, B20
4G TDD Bands (MHz)
B38, B40, B41
NB-IoT Bands (MHz)
None
3GPP Classes / Categories
CSD
GPRS Multislot Class (DL/UL)
12 (85.6 kbps, 85.6 kbps)
EDGE Class (DL/UL)
12 (236.8 kbps, 236.8 kbps)
HSDPA Category (DL)
24 (42 Mbps)
HSUPA Category (UL)
6 (5.76 Mbps)
LTE Category
4 (150 Mbps, 50 Mbps)
NB-IoT Category
None
Short Message Service (SMS)
GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, UMTS AMR, UMTS AMR2
Speech Codecs
GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, UMTS AMR, UMTS AMR2

Firmware Updates
Via USB, FOTA
Integrated Positioning Technology
GPS
GLONASS
Control Plane A-GPS Support
SUPL A-GPS Support

Regulatory
eCall
Standalone / Assisted GNSS
TTY

HARDWARE
Dimensions (L x W x H, mm)
30 x 30 x 2.9
Weight (g)
5.5
On-board Memory
None
Operating Temperature – Extended Operation (°C)
-40 °C to +85 °C
Supply Voltage Range (V)
3.4 - 4.2
Interfaces
USB 2.0 (480 Mbps)
Supported
ASC0 HS Serial Modem
None
GPIO Lines
1.8 V, 3 V
Supported
UICC and USIM (1.8 V/3 V)
Module ON/Reset
Supported
ADC and I2C
Supported
4-Wire HS Serial Interfaces SCA1
Digital Audio, prepared for Analog Audio
Supported

LIFE IS FOR SHARING.
DATA SHEET SIMCOM
SIM7600E-H WIRELESS MODULE

CERTIFICATION DETAILS

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<thead>
<tr>
<th>GMA Certification</th>
<th>None</th>
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<tr>
<td>Deutsche Telekom Certification Date (Initial Firmware)</td>
<td>28.06.2018 (LE11B07SIM7600M22)</td>
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<tr>
<td>Certified Deutsche Telekom Affiliates</td>
<td>AL, AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK</td>
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Deutsche Telekom Affiliate Country Codes

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<tbody>
<tr>
<td>AL</td>
<td>Telekom Albania</td>
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<tr>
<td>AT</td>
<td>T-Mobile Austria GmbH</td>
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<td>DE</td>
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CONTACT

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