

DATA SHEET GEMALTO CINTERION® EHS6-A WIRELESS MODULE

| |
|---|
| Five Band 3G HSPA |
| Multi Design Capability (Land Grid Array - LGA) |

Key Benefits

| |
|---|
| USB 2.0 High Speed Compatible |
| Embedded TCP/IP Stack |
| FOTA Configurable & Free of Charge |
| Java™ ME 3.2 Embedded |
| RLS Monitoring (Jamming Detection) |
| Advanced Temperature Management |
| eCall/ERA GLONASS Compliant |
| Bearer Independent Protocol (BIP) |
| Secure data transmission with HTTPS/SSL |

Network

| | |
|---|---------------------------|
| 3GPP Protocol Stack Compliancy | Release 7 |
| Support for TS.34 IoT Communication Efficiency | None |
| Wireless Protocol Support | |
| 2G/GPRS | Supported |
| 3G/UMTS | Supported |
| 4G/LTE | None |
| Frequency Band Support | |
| 2G Bands (MHz) | 850, 900, 1800, 1900 |
| 3G Bands (MHz) | 800, 850, 900, 1900, 2100 |
| 4G Bands (MHz) | None |
| 3GPP Classes/Categories | |
| CSD | V.110 (9.6 kbps) |
| GPRS Multislot Class (DL/UL) | 12 (85.6 kbps, 85.6 kbps) |
| EDGE Class (DL/UL) | 12 (237 kbps, 237 kbps) |
| HSDPA Category (DL) | 8 (7.2 Mbps) |
| HSUPA Category (UL) | 6 (5.76 Mbps) |
| LTE Category | None |

Short Message Service (SMS)

Supported
(Text, PDU, Cell Broadcast)

Speech Codecs

FR, HR, EFR, AMR

Firmware Updates

FOTA, USB and serial interface

Positioning Support

| | |
|-----------------------------|------|
| GPS | None |
| GLONASS | None |
| Control Plane A-GPS Support | None |
| SUPL A-GPS Support | None |

Regulatory

| | |
|--------------------------|-----------|
| eCall | Supported |
| Standalone/Assisted GNSS | Supported |
| TTY | Supported |

Hardware

| | |
|---|------------------------|
| Dimensions (L x W x H, mm) | 27.6 x 18.8 x 2.3 |
| Weight (g) | 3 |
| On-board Memory | 10 MB RAM, 10 MB Flash |
| Operating Temperature - Extended Operation (°C) | -40 °C to +90 °C |
| Supply Voltage Range (V) | 3.1 - 4.5 |

Interfaces

| | |
|----------------------------------|----------------|
| USB 2.0 (480 Mbps) | Supported |
| ASC0 HS Serial Modem | Supported |
| GPIO Lines | Supported (16) |
| UICC and U/SIM (1.8 V/3 V) | Supported |
| Module ON/Reset | Supported |
| ADC and I2C | Supported |
| 4-Wire HS Serial Interfaces ASC1 | Supported |
| Analog Audio | Optional |
| Digital Audio | Supported |



LIFE IS FOR SHARING.

DATA SHEET GEMALTO CINTERION® EHS6-A WIRELESS MODULE

Certification Details

| | |
|--|---|
| GMA Certification | Yes |
| Deutsche Telekom Certification Date (Initial Firmware) | 3.001 (30.11.2016) |
| 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 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



LIFE IS FOR SHARING.