

DATA SHEET GEMALTO CINTERION® EES3 WIRELESS MODULE

Full Featured, Truly Industrial and Scalable Platform with Leading Edge LGA Technology

Powerful Processor Large Memory

Key Benefits

Quad Band

GPRS/EDGE Class 12

USB 2.0

Embedded TCP/IP Stack

SIM Access Profile

Tunneling Mode

Industrial Interface

RIL Driver

RLS Monitor (Jamming Detection)

Network

3GPP Protocol Stack Compliancy	Release 6/7
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
Frequency Band Support	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G Bands (MHz)	None
3GPP Classes/Categories	
CSD	V.110 (14.4 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)	None
HSUPA Category (UL)	None
LTE Category	None

Short Message Service (SMS)	Supported (Text, PDU, Cell Broadcast, Phonebook)
Speech Codecs	FR, HR, EFR, AMR
Firmware Updates	USB and serial interface
Integrated Positioning Technology	
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)	33.9 x 29.6 x 3.2
Weight (g)	5.5
On-board Memory	10 MB RAM, 10 MB Flash
Operating Temperature - Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.2 - 4.5
Interfaces	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	Supported
GPIO Lines	None
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	Supported
Digital Audio	Supported



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Certification Details

GMA Certification	No
Deutsche Telekom Certification Date (Initial Firmware)	01.100 (28.10.2011)
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.
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