

DATA SHEET GEMALTO PLS8-E WIRELESS MODULE

KEY BENEFITS

Wide high speed connectivity capability (LTE Cat. 3)
IPv6 support
GNSS supported (GPS, GLONASS)
Extended temperature range of -40 to +85 °C
Voice call and SMS (Text/PDU format) support
Compact design (29 x 33 x 2.2)mm

NETWORK

3GPP Protocol Stack Compliancy	Release 9
Support for TS.34 IoT Communication Efficiency	Supported (RPM)
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	None
NB-IoT	None
Frequency Band Support	
2G Bands (MHz)	900, 1800
3G Bands (MHz)	B1, B3, B8
4G Bands (MHz)	B1, B3, B7, B8, B20
NB-IoT	None
3GPP Classes / Categories	
GPRS Multislot Class (DL/UL)	12 (85.6 kbps, 85.6 kbps)
EDGE Class (DL/UL)	12 (237 kbps, 237 kbps)
HSDPA Category (DL)	24 (42 Mbps)
HSUPA Category (UL)	6 (5.76 Mbps)
LTE Category	3 (100 Mbps, 50 Mbps)
NB-IoT Category	None
Short Message Service (SMS)	Text, PDU
Speech Codecs	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, FR AMR-WB, UMTS AMR, UMTS AMR2, UMTS AMR-WB
Firmware Updates	Via USB
Integrated Positioning Technology	
GPS	Supported
GLONASS	Supported

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

HARDWARE

Dimensions (L x W x H, mm)	29 x 33 x 2.2
Weight (g)	4.5
Operating Temperature - Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 - 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
I ² C	None
4-Wire HS Serial Interfaces SCA1	None
Analog Audio	Supported
ADC interface	Supported



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CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	12.09.2018 (v03.017)
Certified Deutsche Telekom Affiliates	AL, AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	DTAG ITS-IVA
DT Certification Type (Conditions)	Limited (Several open issues which should be fixed)
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	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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