

DATA SHEET GEMALTO CINTERION 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 Compliance	Release 9
Support for TS.34 IoT Communication Efficiency	Supported (RPM)
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	Supported
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 Bands (MHz)	None
3GPP Classes / Categories	
CSD	None
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, 50Mbps)
NB-IoT Category	None
Short Message Service (SMS)	Text, PDU
Speech Codecs	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR, UMTS AMR, UMTS AMR2, UMTS AMR WB, FR 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° to +85°
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
ADC and I2C	Supported (ADC)
Serial Interfaces 1.8 V (including automatic baud rate detection)	None
Digital Audio, prepared for Analog Audio	Supported

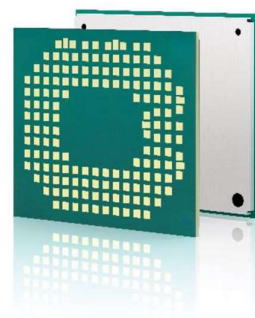


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CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	31.12.2018 (v04.004)
Certified Deutsche Telekom Affiliates	AL, AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	ITS-IVA
DT Certification Type (Conditions)	Full Certification
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	Omorgski 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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