

DATA SHEET SIERRA WIRELESS AIRPRIME HL6528RD-G WIRELESS MODULE

KEY BENEFITS

Common Flexible Form Factor (CF3) interchangeable among 2G, 3G, and 4G technologies
Future-proof footprint
Flexible solution in a compact and easy-to-integrate form factor
Ready-to-use firmware upgrades
GNSS interface support

NETWORK

3GPP Protocol Stack Compliance	Release 99
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
NB-IoT	None
Frequency Band Support	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G Bands (MHz)	None
NB-IoT Bands (MHz)	None
3GPP Classes / Categories	
CSD	None
GPRS Multislot Class (DL/UL)	10 (85.6 /85.6 kbps)
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
NB-IoT Category	None
Short Message Service (SMS)	Text, PDU modes
Speech Codecs	GSM FR, GSM HR, GSM EFR, FR AMR, HR AMR
Firmware Updates	FOTA, UART/USB
Integrated Positioning Technology	
GPS	Supported
GLONASS	Supported
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
Regulatory	
eCall	None

Standalone / Assisted GNSS	Supported
TTY	None

HARDWARE

Dimensions (L x W x H, mm)	22.0 x 23.0 x 2.5
Weight (g)	2.25
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 - 4.6
Interfaces	
USB 1.1	Supported
ASC0 HS Serial Modem	None
GPIO Lines	8 pins
UICC and U/SIM (1.8 V/3 V)	1.8 V, 3 V
ADC and I2C	Supported
Serial Interfaces 1.8 V (including automatic baud rate detection)	None
Digital Audio, prepared for Analog Audio	Supported

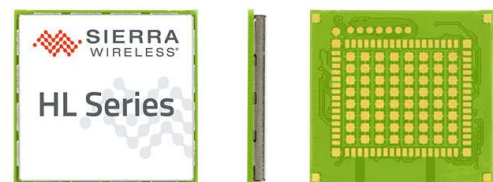


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CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	26.04.2019 (RHL6528RD.2.5.1.2.11CV10F49_P2.201904121805.m6261a_1)
Certified Deutsche Telekom Affiliates	AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	Deutsche Telekom AG, ITS-IVA
DT Certification Type (Conditions)	Limited (Technical issues to address)
Deutsche Telekom Affiliate Country Codes	
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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