

# DATA SHEET FIBOCOM N510 WIRELESS MODULE

## KEY BENEFITS

PSM < 3.0uA
eDRX supported
TCP/UDP supported
IPv4/IPv6 supported
CoAP supported
LWM2M supported
FOTA supported

## NETWORK

<b>3GPP Protocol Stack Compliance</b>	Release 13
<b>Support for TS.34 IoT Communication Efficiency</b>	Supported
<b>Wireless Protocol Support</b>	
2G/GPRS	None
3G/UMTS	None
4G/LTE	None
NB-IoT	Supported
<b>Frequency Band Support</b>	
2G Bands (MHz)	None
3G Bands (MHz)	None
4G Bands (MHz)	None
LPWA: LTE-M Bands	None
LPWA: NB-IoT Bands	B1, B3, B8, B20, B28
<b>3GPP Classes / Categories</b>	
CSD	None
GPRS Multislot Class (DL/UL)	None
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
LPWA: LTE-M Category	None
LPWA: NB-IoT Category	NB1
<b>Short Message Service (SMS)</b>	Supported in PDU mode
<b>Speech Codecs</b>	None
<b>Firmware Updates</b>	FOTA, UART

## Integrated Positioning Technology

GPS	None
GLONASS	None
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
<b>Regulatory</b>	
eCall	None
Standalone / Assisted GNSS	None
TTY	None

## HARDWARE

Dimensions (L x W x H, mm)	22.2 x 20.2 x 2.1
Weight (g)	1.6
Operating Temperature – Extended Operation (°C)	-30 to +75 / -40 to +85
Supply Voltage Range (V)	3.3 – 5
<b>Interfaces</b>	
USB 2.0 (480 Mbps)	None
ASCO HS Serial Modem	None
GPIO Lines	3
UICC and U/SIM (1.8 V/3 V)	1.8 V, 3 V
ADC and I2C	ADC Supported
Serial Interfaces 1.8 V (including automatic baud rate detection)	Supported
Digital Audio, prepared for Analog Audio	None



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## CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	19.09.2019 (54000.1000.35.07.06.15)
Certified Deutsche Telekom Affiliates	AT, CZ, DE, HR, NL, PL, SK
Certifying Entity	DTAG IDU-TIV
DT Certification Type (Conditions)	<b>Full</b>
<b>Deutsche Telekom Affiliate Country Codes</b>	
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	Cmogrski 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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