

## Telit-based terminals for a wide range of IoT applications

### Telic IoT terminals are based on the latest cellular technologies

Telic offers a range of industrial terminals for different categories of the LTE cellular network. All terminals are equipped with Telit modules. The terminals are ideal to establish a wireless connection to a mobile or stationary application or transfer data into the cloud.

All terminals include industrial standard interfaces and provide safe, fast, and reliable data transfer. The integrated power-saving mode supports the use in applications where low power consumption is required.

The Telic IoT terminals are the quickest way to integrate wireless connectivity in your global IoT application.

#### Advantages & key features

- Stationary applications can be remotely monitored to reduce and optimize service calls
- Fallback options if a specific cellular technology is not accessible temporarily
- Interfaces: Power supply; SIM card holder lockable; FME antenna connector; RS232 (V.24/V.28) on Sub-D; USB
- Supply voltage: 7-32V DC
- Operation temperature: -30 °C - +75 °C
- Support of low-power mode
- Robust & compact housing for industrial use
- Firmware Over-The-Air (FOTA) Update
- Optional variants on request
- Extensive range of accessories (examples below)

#### Sample applications

- Monitoring of vending machines
- Monitoring of data from industrial plants
- Intelligent control and monitoring of power grids
- Transmission of readings from electricity, gas, and water meters
- Monitoring of heating, ventilation and air conditioning



Power supply



Stub antenna



Roof screw antenna



Magnetic base antenna

## Product overview of Telit-based IoT terminals

Cat.	Characteristics	NT910-G1	LT910-EUbis	LT910-WW
	Item number	06316	06320	06315
Mobile radio	Module	Telit ME910G1-WW	Telit LE910R1-EU	Telit LE910C1-WWX
	LTE Frequency bands	B1,B2,B3,B4,B5,B8,B12, B13,B18,B19,B20,B25,B26, B27,B28,B66,B71,B85	B1,B3,B7,B8,B20,B28	B1,B2,B3,B4,B5,B7,B8,B12, B13,B14,B18,B25,B26, B19,B20,B28
	LTE Category	Cat. NB2+Cat. M1	LTE Cat. 1 bis	Cat. 1
	LTE DL	Cat. M1: up to 588 Kbps Cat. NB2: up to 120 Kbps	up to 10 Mbps	up to 10 Mbps
	LTE UL	Cat. M1: up to 1 Mbps Cat. NB2: up to 160 Kbps	up to 5 Mbps	up to 5 Mbps
	UMTS Frequency bands	-	-	B1,B2,B4,B5,B6,B8,B19
	GSM/GPRS Frequency bands	B2,B3,B5,B8	B3,B8	B2,B3,B5,B8
Connectors	D-Sub (9-pin)	1x (RS232)		
	USB	1x mini-USB (USB 2.0)		
	RJ11	1x power supply + optional 1x analog input + optional 1x output		
	FME	1x (antenna)		
Features	SIM card holder	1x (1,8V /3V)		
	LEDs	1x Mobile Comm., 2x configurable		
	Real time clock Configurable via AT command	X	X	X
	Analog input (optional)	X	X	X
	Output (optional)	X	X	X
Software	AT command sets	Hayes compliant, TS 27.005, 27.007 and Telit specific		
	Programming language	C APIs for Telit AppZone	-	C APIs for Telit AppZone
	Firmware update	USB or FOTA	USB or FOTA	USB or FOTA
	TCP/IP Stack	TCP, UDP	UDP, TCP, PPP, HTTPS, NTP, FTP	UDP, TCP, FTP, SMTP
Power supply	External voltage range	7 – 32 V		
	Typical power consumption Idle Mode @12V	~9,9mA	~15,7mA	~12mA
	Typical power consumption Power saving mode @12V	~1,7mA	~1,8mA	~2,1mA
Hardware properties	Operating temperature	-30 °C up to +75 °C		
	Size	77x66x26 mm		
	Weight	91g		
Approvals	CE	X	X	X
	WEEE	X	X	X
	RoHS & REACH	X	X	X