

## 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)	1x (1,8V / 3V)	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, HTTP, 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	90g		
Approvals	CE	X	X	X
	WEEE	X	X	X
	RoHS & REACH	X	X	X