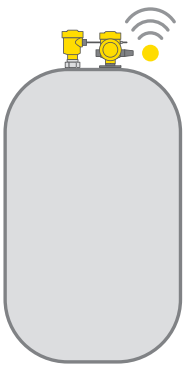


# Wireless communication



The wireless communication devices are used when measured values have to be transferred from remote monitoring stations or mobile tanks to data collection centers. They also enable wireless remote diagnostics and maintenance of the connected sensors.

## The advantages

- ✓ Autonomous solution for data acquisition and transmission for IoT projects
- ✓ Simple setup and commissioning via app
- ✓ Integrated energy management
- ✓ Long service life thanks to LTE technology
- ✓ High data transmission security thanks to TLS

**PLICSMOBILE T81****PLICSMOBILE B81**

Application	Remote data retrieval and remote parameterization for up to 15 HART sensors	Battery and accumulator unit for PLICSMOBILE
Input	1 to 15 HART sensors	1x solar panel
Output	VEGA Inventory System, e-mail, SMS	Power supply of PLICSMOBILE and the connected sensors
Display/adjustment	PACTware/DTM / VEGA Tools app	-
Technology	2G/3G/4G wireless Bluetooth	-
Mounting	Wall or tube mounting	Wall or tube mounting
Temperature range	-20 ... +65 °C	Battery: -10 ... +50 °C, -40 ... +80 °C (lithium) Battery pack: -20 ... +50 °C
Voltage supply	9.6 ... 32 V DC	Battery: 4x 1.5 V 4x 3.6 V (lithium) Battery pack: 4x 1.2 V
Approvals	-	-
Benefit	✓ Economical solution for multiple measuring points	✓ Long-life battery/accumulator operation without mains power supply

# Wireless communication

	Wireless router	SignalFire Ranger	PLICSMOBILE S81
			
Application	For connecting to the Internet, for controllers with Ethernet interface	Remote data retrieval for 4 ... 20 mA and digital sensors	Solar panel for charging the PLICSMOBILE B81
Input	Controllers with Ethernet interface	1x analogue: 4 ... 20 mA or 1 ... 5 V DC  2x digital: 2 kHz max.	–
Output	VEGA Inventory System, e-mail	1x relay: 2 A @ 30 V DC; 0,3 A @ 110 V AC; 0.5 A @ 125 V AC  Sensor: 13/18 V; 60 mA max.	17.2 V ... 21.5 V DC max. 1.16 A/20 W
Display	6x LED status indicators	–	–
Technology	2G/3G/4G wireless	LTE CAT M1/NB-IoT	–
Mounting	Wall mounting, carrier rail 35 x 7.5 mm according to EN 50022	Tube mounting ½" NPT	Mast holder with adjusting screws for inclination angle
Temperature range	-40 ... +75 °C	-40 ... +85 °C	-40 ... +85 °C
Power supply	9 ... 36 V DC	4x 3.6 V DC Lithium Thionyl Chloride batteries	–
Approvals	–	cETLus	–
Benefit	✓ Economical solution for connecting multiple controllers via LAN	✓ Autonomous solution for remote data retrieval from analogue or digital sensors	✓ Simple installation options through the use of commercially available solar modules

