WOI-R900

programmable, low cost GSM/GPRS/EDGE/UMTS/LTE terminals

The **WOI-R900** terminal series is the complete modem solution for wireless m2m applications. Based on the high quality module, it is available as QUAD or PENTA band versions and offers high level GSM/GPRS/EDGE/UMTS/HSPA +/LTE fea-tures in compact aluminum housing with all the standardized interfaces and optionally GPIO, SD memory card, backup battery, GPS receiver or dual SIM option. Together with its small size and wide supply voltage range, makes it easy to integrate into all kinds of machines.

The **WOI-R900** modem series enabling TCP/IP, UDP, SMS, MMS communication is a universal solution for all low-volume M2M and mobile data applications including metering, traffic systems, transportation and logistics, security, vending machines, and facility management.

Device can be controlled by standard AT commands or by customer's application inside (embedded Python Script Interpreter or AppZone "C"), thus making it the smallest, complete SMT platform for M2M solutions.

Key benefits	Features
Best pricing level	RS232 & USB interfaces
Fast Time-To-Market	SMA antenna
Easy wireless application	GPIO, SD card, GPS, Battery
Extended power supply range	Telit AT command set
Low power consumption	Python Script Interpreter or "C"
	m2mLOCATE, m2mAIR, m2mCLOUD

Specification:

- Ideal for connecting devices with RS232 or RS485:
  - Vending Automation
  - Industrial control
  - Sensors
  - Alarms
  - Telemetry
  - Remote control
- Extremely compact (only 83 x 53.3 x 26 mm)
- Quad or penta Band = can be used worldwide
- Perfect with customer APN and m2mAIR SIM cards
- Embedded TCP/IP and UDP stacks
- Control via AT commands or Python/C application
- UMTS, HSPA+ or LTE up to 100 Mbit/s
- Serial UART or USB interface
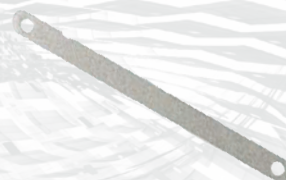- -40° ~ +85° temperature range
- Power supply from 5 to 30V DC

Optional accessories:

- External antenna
- Power supply and customized connection cable
- Optional internal backup battery

- DIN mounting
- Wall mounting

Network	Name	Speed	Interface			GPIO	Dual SIM	SD	Function				Program		Bat	GPS
			RS232	RS485	USB	In / Out			SMS	Email	MMS	CSD	Python	C		
2G	WOI-R900	85.6 kBit/s	●	-	●	-	○	-	●	●	●	●	●	●	-	○
	WOI-R900-IO	85.6 kBit/s	●	-	●	7	-	-	●	●	●	●	●	●	○	○
	WOI-R900-M	85.6 kBit/s	●	-	●	-	○	●	●	●	-	●	●	●	-	○
	WOI-R900MODBUS	85.6 kBit/s	○	●	●	-	○	-	●	●	●	●	-	●	-	○
3G	WOI-R900U	7.2 Mbit/s	●	-	●	-	○	-	●	●	●	-	●	●	-	○
	WOI-R900U-IO	7.2 Mbit/s	●	-	●	7	-	-	●	●	●	-	●	●	○	○
	WOI-R900U-M	7.2 Mbit/s	●	-	-	-	○	●	●	●	●	-	●	●	-	○
4G	WOI-R900L	100 Mbit/s	●	-	●	-	○	-	●	●	●	-	-	-	-	○

● support   ○ option   - not support