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THE RB600

PROGRAMMABLE, LOW COST 2G TERMINAL

Specification:

- GSM/GPRS QUAD-band 850/900/1800/1900MHz
- RS232 interface
- Bluetooth 3.0
- SMA antenna
- 3.0/1.8V SIM card interface
- Power supply from 5 to 30V DC
- Control via AT commands or "C" application
- Embedded TCP/IP and UDP stacks



THE RB800

PROGRAMMABLE, LOW COST 3G TERMINAL SERIES

Specification:

- Ideal for connecting devices with RS232 or RS485:
- Vending Automation - Industrial control
- Telemetry - Remote control
- Sensors, alarms
- Serial RS232, RS485 or USB interface
- SMA antennas connector
- Audio connector (2G variant only)
- Power supply from 5 to 30V DC
- Extremely compact (only 83 x 53.3 x 26 mm)
- Quad Band = can be used worldwide
- Embedded TCP/IP and UDP stacks
- Control via AT commands or Python/"C" application
- Dual SIM/GPIO/SD card and battery option



Network	Model	Speed	Interface			GPIO		Dual SIM	SD card	Function			Python	Audio	Battery
			RS232	RS485	USB	In / Out	Analog in			SMS	Email	CSD			
2G	RB800	85.6 kBit/s	●	○	-	-	-	○	-	●	●	●	●	●	-
	RB800-IO	85.6 kBit/s	●	○	-	7	○5	○	-	●	●	●	●	●	-
	RB800-M	85.6 kBit/s	●	○	-	-	-	○	●	●	●	●	●	●	-
	RB800-IO-M	85.6 kBit/s	●	○	-	7	○5	-	●	●	●	●	●	●	○
	RB800WR	85.6 kBit/s	●	○	-	-	-	○	-	●	●	●	●	●	-
3G	RB800U	7.2 Mbit/s	●	○	●	-	-	○	-	●	●	-	●	-	-
	RB800U-M	7.2 Mbit/s	●	○	●	-	-	○	●	●	●	-	●	-	-
	RB800U-IO	7.2 Mbit/s	●	-	●	7	○5	-	-	●	●	-	●	-	○

● support ○ option - not support

THE RB900

PROGRAMMABLE, LOW COST 4G TERMINAL SERIES

Specification:

Ideal for connecting devices with RS232 or RS485:

- Vending Automation
- Serial UART interface
- SMA antennas connector
- Power supply from 5 to 30V DC
- Extremely compact (only 83 x 53.3 x 26 mm)
- Quad 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
- Industrial control
- Sensors
- Alarms
- Telemetry
- Remote control

Optional accessories:

- External antenna
- Power supply and customized connection cable
- Optional internal backup battery
- DIN or wall rails



Network	Name	Speed	Interface			GPIO		Dual SIM	SD	Function			Python/C	Bat	GPS
			RS232	RS485	USB	Inputs	Outputs			SMS	E-mail	MMS			
2G	RB900	85.6 kBit/s	●	-	●	-	-	○	-	●	●	●	● / ●	-	○
	RB900-IO	85.6 kBit/s	●	-	●	5	2	-	-	●	●	●	● / ●	○	○
	RB900-M	85.6 kBit/s	●	-	●	-	-	○	●	●	●	-	● / ●	-	○
	RB900MODBUS	85.6 kBit/s	○	●	●	-	-	○	-	●	●	●	- / ●	-	○
3G	RB900U	7.2 MBit/s	●	-	●	-	-	○	-	●	●	●	● / ●	-	○
	RB900U-IO	7.2 MBit/s	●	-	●	5	2	-	-	●	●	●	● / ●	○	○
	RB900-M	7.2 MBit/s	●	-	●	-	-	○	●	●	●	●	● / ●	-	○
4G	RB900L	100 Mbit/s	●	-	●	-	-	○	-	●	●	●	- / -	-	○

●support ○option - not support

THE RB IndustrialRT

LOW COST 2G MODBUS TERMINAL

Specification:

- Ideal for connecting devices on a Modbus, IEC 60870-5-101 and Modbus TCP/IP, IEC 104, IEC 61850 and DNP3 on request
- GSM/GPRS QUAD-band 850/900/1800/1900 MHz
- RS232/RS485 interface
- Extremely ocompact (only 83 x 53.3 x 26 mm)
- Easy configuration over Teleorigin Device Manager



THE RB900-Pro

PROGRAMMABLE 4G TERMINAL

Specification:

- Ideal for connecting devices with RS232 or RS485:
- Vending Automation - Industrial control
 - Sensor- Alarms
 - Telemetry - Remote control
 - Serial RS232, RS485 and USB interface
 - 3 x inputs, 1 x output
 - OneWire interface
 - SMA antenna connector
 - Power supply from 5 to 30V DC
 - Extremely compact (only 83 x 53.3 x 26 mm)
 - Embedded TCP/IP and UDP stacks
 - Control via AT commands or scripts, Python/"C" application (Linux available)

Optional accessories:

- External antenna
- Power supply and customized connection cables
- Optional internal backup battery
- DIN or wall mounting



RBMTX-Lite

THE SMALLEST, LOW COST 4G ROUTER SERIES

Specification:

- Small, robust and very cost-effective router
- Easy to use - configuration via web interface
- Ethernet 10/100 Mbit/s | RS232 | RS485
- OpenVPN, IPSec, etc.
- 4G Cat. 1 modem B1/B3/B7/B8/B20@LTE, 900/2100MHz@UMTS, 900/1800@GSM
- Dual-SIM for roaming scenarios
- Wi-Fi/Bluetooth interface (option)
- TCP/IP, UDP, E-mail protocols, SMS
- Python, "C" or Bash-script programmable (Linux available)
- Modbus RTU to Modbus TCP gateway/converter
- Extremely compact (only 83 x 60 x 34 mm with connectors)
- Rugged metal housing
- Also available as a programmable Linux platform
- Internal microSD memory card
- Control and alerting via E-mail and SMS



Network	Model	Speed max.	Interface			Ethernet	WiFi	Dual SIM
			RS232	RS485	USB			
3G	RBMTX Lite 3G	7.2 Mbit/s	•	•	•	•	○	○
4G	RBMTX Lite 4G	LTE: 7.2 Mbit/s HSDPA: 42 Mbit/s	•	•	•	•	○	○

RB-VND

ideal solution for vending machines connected through MDB, Executive or EVA-DTS protocol

RB-VND:

- Industry Standards: MDB/EXE Interface DEX/DDCMP (EVA DTS)
- FTL over MDB support
- Mobile payments
- Audits from Printer, Modem, etc. standards
- Generating audits for non EVA-DTS machines
- Open API
- GSM/GPRS QUAD band, optional 3G
- Optional eSIM, RFID, SD card
- External flash 8 MB - optionally up to 32 MB
- Optional peripheral ports: USB (Host/Device), Ethernet
- 2 X RS232 interface (one can be switched to TTL pins)
- TTL level UART (only one 232 RS is available if we use it)
- 4 GPIO (counter/pulse/analog/sensors/switches)
- 2 x MDB/EXE - capture and analyze messages from all MDB peripherals connected to the same line
- MDB as master
- Accelerometer
- Restock button
- Localization - cloud-based service based on Cell-IDs
- Remote software update (OTA)
- Battery - for power down alert



RB-VND Lite:

- Industry Standards: DEX/DDCMP (EVA DTS)
- Audits from printer, modem, etc. standards
- Generating audits for non EVA-DTS machines
- Open API
- GSM/GPRS QUAD band, optional 3G
- Optional eSIM
- External flash 4 MB
- 1 X RS232 interface
- Restock button
- Localization - cloud-based service based on Cell-IDs
- Remote software update (OTA)

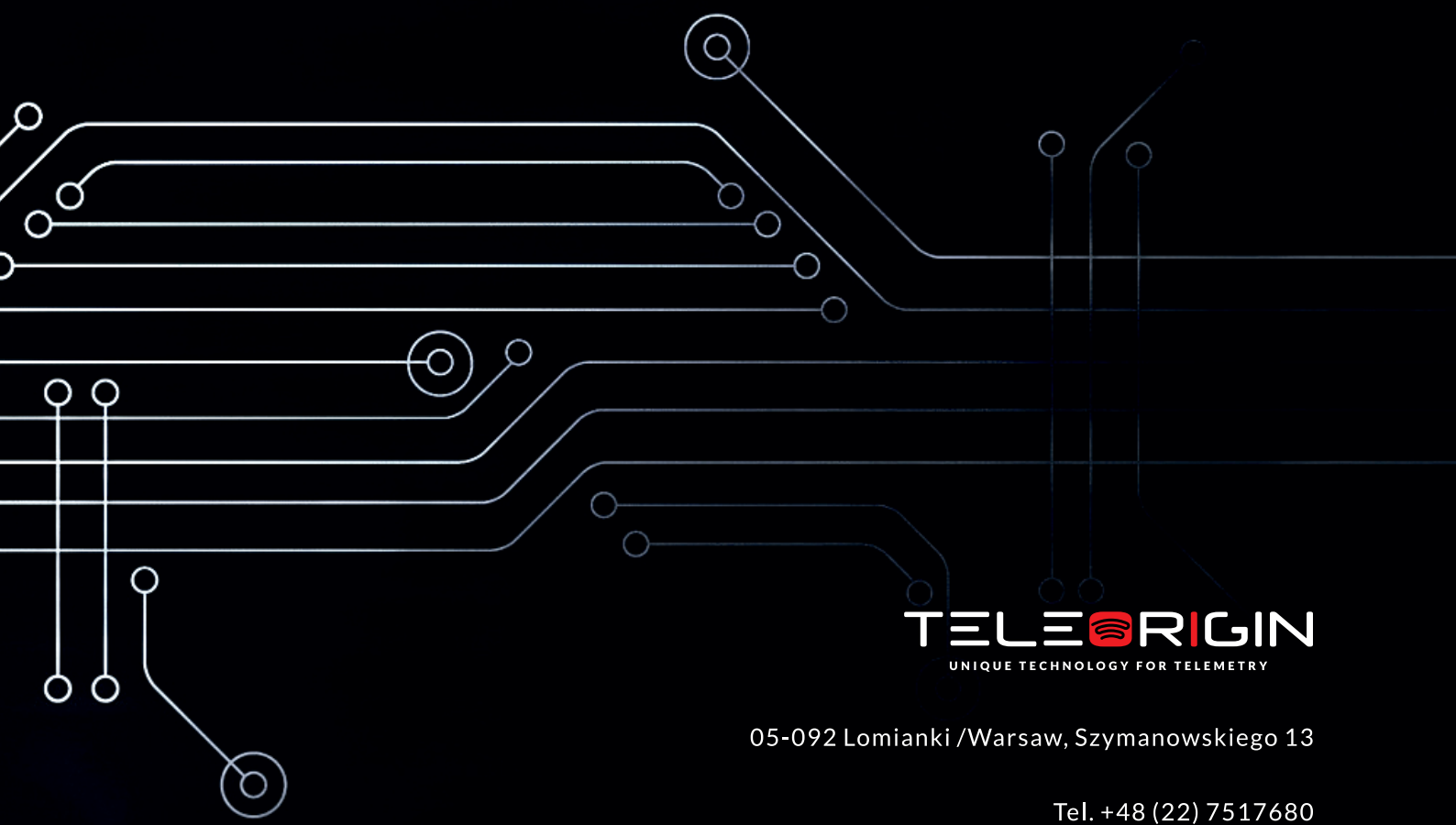
NTS-pico3

NTP/IEEE 1588 MINIATURE TIME SERVER

Specification:

- HARDWARE PTP STAMPING
- TIME SERVER NTP STRATUM-1
- GRANDMASTER PTP IEEE1588
- GNSS reference UTC time
- ULTRA HIGH accuracy of SYNC
- 1s GNSS Hot Start, 25s Warm start, 30s Cold start (TTFF)
- TCXO holdover for GNSS-less
- Holdover 1 hour < 4ms, holdover 24 hour < 100ms
- Linux & TCP/IP (IPv4/IPv6)
- 100/10Mbps Ethernet LAN
- 1PPS precision time support
- NTP authentication
- MD5, RSA, DSA, SSL security
- HTTP, HTTPS, TELNET, SSH
- SYSLOG, SNMP
- RS232/RS485/USB interface
- 30m (38dB) antenna included
- Works w/any CLIENT software NTP, SNTP, PTP, CHRONY





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