





	Product Name	Key Feature
	<p style="text-align: center;">UT – 901</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">RF wireless to RS232 transceiver</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid gray; padding: 5px; text-align: center;"> RS232  </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;"> RS422/485  </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;"> RF  </div> </div>

INTRODUCED

I. Summary:

RF transceiver, developed by self-owned R&D power, Industrial grade, MODBUS, ASCII protocol supported, P2P, Point to Multi-P working mode, high-grade protection for interference, signal, easy to use, highly reliability with very reasonable price

UT-901 widely applicable for industrial automation, process control, central monitor station, Water Conservancy, warehouse surveillance, petrol field monitor, mine machinery, stage equip. Power distribution, railway, access, car parking, etc. Who needs remote acquire data and proceed application.

UT-901 comply with standard RS-232/422/485, Convert RF signal to balance differential RS-232 or RS-485/422., with built-in Transient Voltage Surging protection: TVS. Highly reliable in suppress lightning, 600W protection for each line for surging and lightning. RS-232 side as Db9 male; RS-422/485 side as binding post Zero-delay auto-transmission, delicate auto-control data stream I/O without RTS/DTR needed, jump wire setup as well Plug and plug, compatible to common software.

UT-901 working mode: point to point; point to multi-point Load capacity: 128 RS422/485 devices Baud rate:1200-38400Kbps; Data traffic indicator.

II. Specification:

Performance parameters

1. Frequency:433MHz SIM ,standard: 16 channel
2. Interface: RS-232,RS-485,RS-422;
3. Port:RS-232 side as Db9 male; RS-485/422 as post RF side as SMA
4. Protection:600W lightning &surging protection for RS-485/422
5. Voltage range:9-30VDC
6. Power supply:9V400mA
7. Baud rate:1200 bps, 2400 bps, 4800 bps,9600 bps,19200bps, 38400bps
8. Working mode:transceiver, asynchronous half duplex
9. Indicator:PWR,TXD,RXD
10. Antenna resistor:50 (360°rotateable, 90°fold SMA)
11. Delicated RF transceiver chip, (40mW 150mW 405mW 520mW)
12. Temperature:-40°C~ +80°C
13. Humidity:10%90%RH
14. Size: 97mm×65mm×26mm(w/o antenna)
15. Distance:RF 433MHz: 300M(wide space)
 RS-232 5m(1200bps-38400bps)
 RS-485/422 1200m(1200bps-38400bps)
- 16,Power consumption(factory set:1)

Power	1	2	3	4
mW	520	405	120	40
dbm	21.71	26.07	21.76	16.02

Sensitivity vs baud rate:

Baud rate	1200bps	2400bps	4800bps	9600bps	19200bps	38400bps
Sensitivity	-122dBm	-120dBm	-118dBm	-116dBm	-113dBm	-110dBm

C. Pinout definition:

RS-232:

Db9 male (PIN)	RS-232 signal
1	(RXD)
2	(TXD)
3	GND
1,4,6,7,8,9	null

RS-485/RS-422:

Post	Signal	RS-422	RS-485
1	T/R+	T(A+)	RS-485 (A+)
2	T/R-	T(B-)	RS-485 (B-)
3	RXD+	R(A+)	Null
4	RXD-	R(B-)	Null

INFORMATION ORDER

MODEL: UT-901 RF wireless to RS232 transceiver