

**FY-605 PRODUCT PROFILE**

1. Transmission Power: 2000mWatt output, High receiving sensitivity: -123dbm

2. Working Frequency: Carrier Frequency: 433MHz.

3. Low power consumption

- DC +5V Power
- Receiving current < 50mA
- Transmitting current < 1.5A / 2W (<1A / 1W)
- Sleeping current < 1mA.

4. Working Temperature: - 20°C to + 85°C

5. Output / Input Interface: RS-232, RS-485 and TTL.

6. Circuit Structure: Integrated chip with short conversion time of < 20ms.

7. High Anti-Interference and Low BER (Bit error Rate): Follows GFSK modulation mode com protocol. Actual bit error rate is $10^{-5} \sim 10^{-6}$ when channel bit error rate is 10^{-2} .

8. Long transmission distance – Bi-directional communication range 5 km to 15 km. For maximum range install the unit higher than 3m.



- 9. Transparent data transmission** - Transparent data interface. False data generated in the air is filtrated automatically (What has been received is exactly what has been transmitted). The receiving and transmitting delay time less than 10ms.
- 10. Communication bits** - 19200bps for all FY Autopilot system. The wireless transmission speed and the connection baud rate are proportional.
- 11. High speed wireless communication and big data buffer** - When the RF baud rate is bigger than the COM baud rate, the FY605 can transmit unlimited data at any time. When the RF baud rate is smaller than or equal to the COM baud rate, the unit may transmit 512 bytes data.
- 12. Intelligent data control and simple programming** - Even at half duplex, excessive programming is not required. The system receives and transmits data from the interface and automatically complete the other operations, such as transmission and receiving conversion in the air, data control, etc.
- 13. High reliability, small and light** - Robust simple single chip radio frequency integrated circuit. Minimal peripheral circuits, high reliability and low failure rate.