

IWAP2000 Baudrate and Packet Size Limitation

IWAP2000 is a lean WiFi client that focuses on low data rate and small packet size data communication. The strong part of IWAP2000 is the ultra low power consumption and battery operation capability. There is some limitation in serial port baud rate and data packet size for different serial port interfaces.

The following table shows limitation of baud rate and data packet size in different serial port mode.

Serial Port Mode	Flow Control	Data Size	Baudrate Limitation
RS232	Yes	Any	1200 to 115200
RS232	No	<1000	1200 to 115200
RS232	No	>1000	Not recommended
RS422	N/A	<1000	1200 to 115200
RS422	N/A	>1000	Not recommended
RS485	N/A	<1000	1200 to 115200
RS485	N/A	>1000	Not recommended

RS232 Mode

You can enable the RTS/CTS hardware flow control option in command mode to control the data flow for RS232. If the RTS/CTS flow control is enabled, there is no limitation in baudrate and data size. Otherwise, the data size should be smaller than 1000 bytes for each transmission.

RS422 Mode

There is no flow control mechanism in RS422 mode. The data size should be smaller than 1000 bytes for each transmission.

RS485 Mode

There is no flow control mechanism in RS485 mode. The data size should be smaller than 1000 bytes for each transmission.

Technical Support

If you encounter any technical issues while using IWAP2000, do not hesitate to contact us at Atech. Our technical staff will help you resolve the technical issues. You can contact us by email or phone. The following is our technical contact:

Hours: 9:30AM to 5:30PM (GMT+08:00)
Email: wifi.support@atechtpe.com.tw
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