and λ is the number of pulses generated when the communication carrier signal goes through a frame waiting time defined by a communication protocol adopted by the first terminal and the second terminal.

10. The method according to claim 7, wherein, the first terminal and the second terminal perform data interaction based on a pulse communication protocol, and perform a verification operation on the received pulse number threshold N based on a tamper-proof check value, wherein the pulse communication protocol is a communication protocol in which transmission data at least comprises the pulse number threshold N; or the pulse communication protocol is a communication protocol in which transmission data at least comprises the pulse number threshold N and the tamper-proof check value, the tamper-proof check value is configured to perform the verification operation on the pulse number threshold N;

the pulse number threshold N is generated by the first terminal based on ω, and $N \geq \omega$, in which ω is the number of pulses generated when the communication carrier signal goes through a predetermined completion time period of processing by the second terminal the received data from the first terminal, or

the pulse number threshold N is generated by the first terminal negotiating with the second terminal, in which the negotiating comprises: the first terminal generating N and sending N to the second terminal, the second terminal sending a response message to the first terminal after the second terminal successfully authenticates the first terminal; or the second terminal generating N and sending N to the first terminal, the first terminal sending a response message to the second terminal after the first terminal successfully authenticates the second terminal; or the first terminal generating N1 and sending N1 to the second terminal, the second terminal generating N2 and sending N2 to the first terminal, the first terminal and the second terminal respectively generating the N by using N1 and N2 based on the same algorithm.

11. The method according to any of claims 7 to 9, wherein, a communication manner adopted by the first terminal and the second terminal comprises: a short distance wireless communication manner; the first terminal is a reader, and the second terminal is a transponder.

12. The method according to any of claims 7 to 10, wherein, the threshold range is [N, N+2n],