KA107/108 Card Reader Technical Specifications

1. Communication Parameters:

- **Baud Rate:** 9600 (Note: Default setting, can be configured and modified)
- **Data Bits:** 8
- **Stop Bits:** 1
- **Parity:** None (Note: Default setting, can be configured and modified)

2. Wiring Instructions:

- **Red:** VCC +9V - 16V (Power Positive) (Note: Customizable to 5V, 24V)
- **Black:** GND (Power Negative)
- **Green:** TX (Data)

3. Data Format: (**Note: This standard data format is default, can be customized and adjusted according to actual needs)**

Command Type (Header)	Data Type	Space Identifier	Newline Identifier	Terminator (Footer)
STX (0X 02)	DATA (8HEX)	CR（0D）	LF (0A)	ETX (0X 03)

- **Command Type (Header):** STX (0X 02)
- **Data Type:** DATA (8 HEX)
- **Space Identifier:** CR (0D)
- **Newline Identifier:** LF (0A)
- **Terminator (Footer):** ETX (0X 03)

Note:

- **STX** is the start character 02 (hexadecimal)
- **DATA** is the 8-digit hexadecimal ASCII card number
- **CR** is 0D (represents space)
- **LF** is 0A (represents newline)
- **ETX** is the end character 03 (hexadecimal)

Example: The card reader outputs the hexadecimal UID card number in ASCII data format to the computer (Note: via serial debugging tool or computer hyper terminal):
02 30 30 36 44 38 34 32 41 0D 0A 03

Where `30 30 36 44 38 34 32 41` represents the four-byte hexadecimal ASCII data of the current card UID, as shown below: