

303RS-HF NFC Reader

1. Product appearance

Connector taking used with M12-8 PINs waterproof version



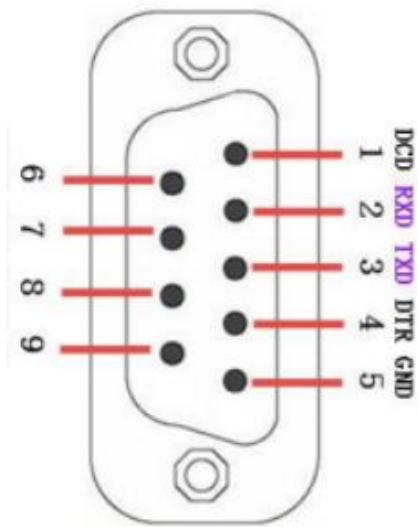
2. M12-8 connector PINs definition

External I/O	PIN	Signal	Remark
	1	DC 12V	DC 12 Power
	2	NC	Not connect
	3	NC	Not connect
	4	NC	Not connect
	5	NC	Not connect
	6	RS-232 RX	Card Reader output (Input for Main System)
	7	RS-232 TX	Card Reader input (Output from Main System)
	8	GND	Ground

3. Hardware connection and test between NFC reader and PC

NFC reader equipped with standard RS232 interface, which can be directly connector to PC's DB9 port or via USB-RS232 adapter board

Example:



DB9 male connector

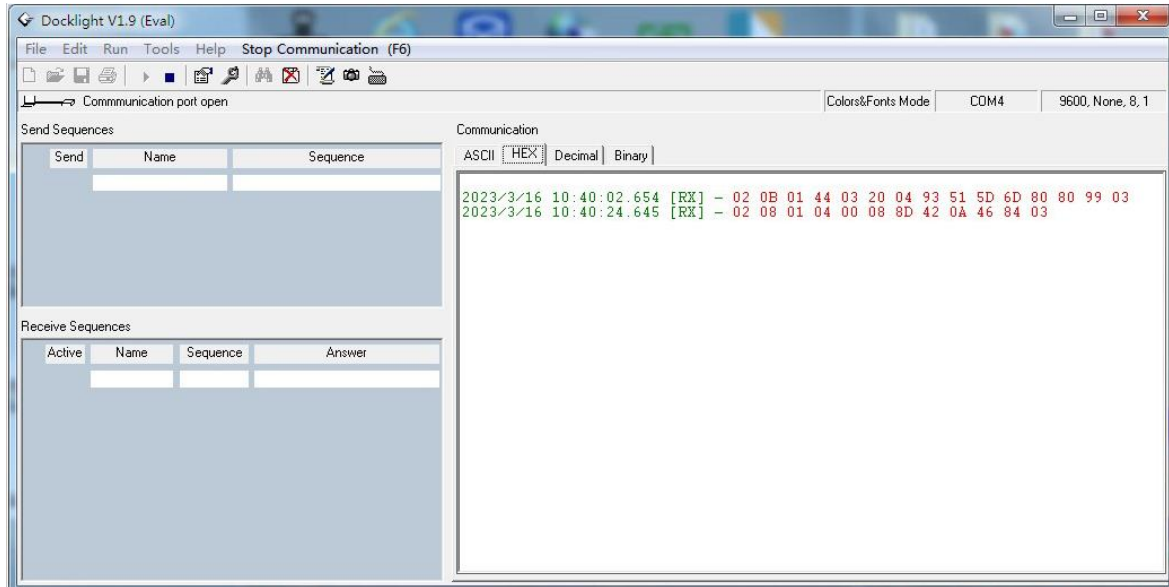
Connection between DB9 male connector and M12 connector

DB9 male connector	M12 connector
PIN2 RXD	PIN7 RS-232-TX
PIN3 TXD	PIN6 RS-232-RX
PIN5 GND	PIN8 GND

RS232 interface default connection parameters

Baudrate	Data bit	Check	Stop bit	Flow control
9600bps	8bit	None	1	None

Test result to show card data under Comport assistant software of Docklight V1.9 as below:



4. Notes

- a. Be careful of the wrong pins connection when connecting with Reader's M12 connector
- b. Be noted of the readers input power voltage is DC 12V, and available power range should be DC 7V to DC 24V
- c. For the reader installation environment, please take care to keep away from the metal and Strong electromagnetic radiation environment

5. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try

to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body:

Use only the supplied antenna.