

PCR300Mx-01 Communication Protocol

Specification

Interface	USB Specification 1.1 (PCR300MU) RS232 Communication Prot (PCR300MR)
Communication Parameter	9600 bps ,8,N,1 (Virtual Serial Port Driver for USB)
Flow control	None
RFID reader	13.56 MHZ Band (0.38dBuA/m (1.2m)) for ISO14443A
Supply power	From USB (PCR300MU) From PS2 (PCR300MR)

Operation

1. Insert the card into the slot of the PCR300Mx

PC ← PCR300Mx
STX + Card ID + CR + LF

2. Pull the card away the slot of the PCR300x

PC ← PCR300Mx
ESC

3. Press the button on the PCR300x

PC ← PCR300Mx
BEL

Command Set

1. Error Sound : Beep- Beep- Beep-

PC → PCR300Mx
A

2. Correct Sound : Beep -----

PC → PCR300Mx
B

3. Get the name of the Device :

PC → PCR300Mx
N

PC ← PCR300Mx
STX + Device Name + CR

4. Get the version of the firmware :

PC → PCR300Mx
V

PC ← PCR300Mx
STX + Version + CR

5. Reset :

PC → PCR300Mx
R

PC ← PCR300Mx
STX + Card ID + CR

NOTE	
STX	02h
BEL	07h
LF	0Ah
CR	0Dh
ESC	1Bh
	ASCII

(The card was lying on the slot)

(The card not was lying on the slot)