125K-RW-USB-D1

EM4001 125K RFID reader/writer with USB interface

USB driver Installation

[1] install the following USB driver before connect the reader to PC
For WINDWOS XP - run CD path:\USB driver\PL-2303 Driver Installer.exe
For Vista - run CD path:\USB driver\PL-2303 Vista Driver Installer.exe
[2] after driver installation , connect the reader to PC through the USB cable
[3] it will detect and install the "USB to serial " virtual com driver automatically
[4] the virtual com driver will be found from the system manager as follow :

🖴 Device Manager	
Eile <u>A</u> ction <u>V</u> iew <u>H</u> elp	
🖻 😑 IDE ATA/ATAPI controllers	^
🗄 🔊 Infrared devices	
🗉 💩 Keyboards	
⊕)) Mice and other pointing devices	
🗉 🦢 Modems	
🗈 🔮 Monitors	_
🗉 🕮 Network adapters	
PCMCIA adapters Control (Control (Contro) (Control (Control (Control (Control (Cont	
E Ports (COM & LPT)	
Communications Port (CUMI) Wrinter Dert (LDT1)	
🖉 Priliter Port (LPT1)	=
Sound, video and game controllers	
E - 2 System devices	
🗷 🖶 Universal Serial Bus controllers	
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Protocol

Band Rate : 9600, N, 8, 1

Card ID (10 digit)	CR (0x0D)	LF (0x0A)
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Demo program user guide

[1] copy full directory from the CD path :\demo program to your local PC

remake : The demo program can not be run from CD directly

- [2] run the program from the path :\demo program \rfid.exe
- [3] select a suitable "Com Port" No.
- [4] click on "Link"
- [5] System Link Success if successfully as follow :

Com Port Link Clear Close System Link Success Ink Clear Close DATA BLOCKDATA Oditation UID LOCK ALL Cancel Write Password IgF7000012 UID LOCK BLOCK1 00000000 Read Block BLOCK3 00000000 BLOCK3 00000000 Read Block BLOCK3 00000000
Data Data BLOCKDATA UID 000000000 UID LOCK ALL Cancel Write Password BLOCK1 00000000 Write Password BLOCK2 00000000 Read Block BLOCK3 00000000 Read Block
DATA DATA BLOCKDATA UID LOCK C ALL C Cancel Write Password C ALL BLOCK1 00000000 Read Block BLOCK2 BLOCK3 00000000 Read Block BLOCK3 BLOCK3 00000000 Read Block BLOCK3 C BLOCK3 00000000
BLOCKDATA UID O00000000 UID LOCK ALL Cancel Write Password Cancel Write Password BLOCK1 00000000 Read Block BLOCK2 00000000 Read Block
Image: UID 000000000 UID LOCK Image: UID 19F7000012 UID LOCK Image: Cancel Write Password Read Block
C ALL C Cancel □ BLOCK1 00000000 □ BLOCK2 00000000 □ BLOCK3 00000000
BLOCK1 00000000 Write Password F BLOCK1 00001234 Write Password BLOCK2 00000000 Read Block BLOCK2 00000000 Read Block Re
□ BLOCK2 00000000 Read Block □ BLOCK2 00000000 Read Block □ BLOCK3 000000000 Read Block □ BLOCK3 000000000 Read Block
BLOCK3 00000000 Read Block Read Block
BLOCK4 00000000 Write Block BLOCK4 00000000 Write Block
□ BLOCK5 00000000 □ BLOCK5 00000000
BLOCK6 00000000 New_Password BLOCK6 00000000 New_Password
□ BLOCK7 00000000 000000 □ BLOCK7 00000000 000000000000000000000000000
BLOCK8 00000000 Did_Password Did_Password 00000000 00d_Password 0000000 00d_Password 00000000 00d_Password 00d_Password

Com Port : select correct virtual com port No.

Link : connect with PC

Clear : clear message screen

<u>Data</u>

UID: 64 bit (compatible ID with EM4100/EM4102)

ALL : click on to select all Block(1-8) to read or write

need to unselect UID when select the block to read or write

Cancel : click on to cancel all block selection

memory : block(1-8) x 32bit

Write Password : set 32 bit password with "New Password"

Read Block : read Card UID or data block memory

Write Block : write card UID , password and data block memory

How to duplicate a EM4100 or compatible card

[1] place a EM4100 card on the reader

- [2] Tick "UID" and click on "Read Block" to read the UID
- [3] take away the original EM4100 card and put a "125K-RW" card on the reader
- [4] Tick "UID" and click on "Write Block"
- [5] "Write UID success" message will show if write UID successfully

Remarks : If found "Read UID Failure" message , pls hold the card on hand to keep ~5mm from the reader , then read/write the card again.