



Mifare Card Reader/Writer with USB interface

Model : PUA-310V-0/M2U2/Y4

Ver.10.1

INSTALLATION INSTRUCTIONS

PUA-310V-0/M2U2/Y4 Mifare Card Reader/ Writer with USB interface

• INTRODUCTION

The PUA-310V-0/M2U2/Y4 is designed to comply with ISO 14443A standard for reading and writing the ISO 14443A S50/S70 contact less smart card for various applications. Such as cashless payment, prepaid systems. LED's normal state is in Red when it's power on, but LED will be changed to Green when the legal card is read.

• SPECIFICATION

Dimension	: 118 (L) x 75 (w) x 17 (H) mm
Mounting	: Desktop
Reading Range	: 5~8 cm
Operating Temperature	: 0°C ~ 50°C
Humidity	: 20% ~ 90%RH, non condensing
Power Supply	: 5 VDC
Operating Frequency	: 13.56 MHz
Interface	: USB
Net Weight	: 140g ±5%
Gross weight	: 220g ±5%

• Host To Mifare Reader Command

Byte[n]	0	[1:2]	[3:4]	[5:6]	[7:8]	...	[n-2:n-1]	n
Name	STX	RAD	Length	Command	Parameter	...	LRC	ETX
Value	0x02	"00"	"04+n"	"07"	"01"	...	"06"	0x03

STX: Start byte. It's a fix value (0x02). (in Hexadecimal)

RAD: Reader Address.("01" ~ "FF"), initialized as ("00") (in ASCII)

Length: Total length of Command and Parameter. (In ASCII)

Command: (in ASCII)

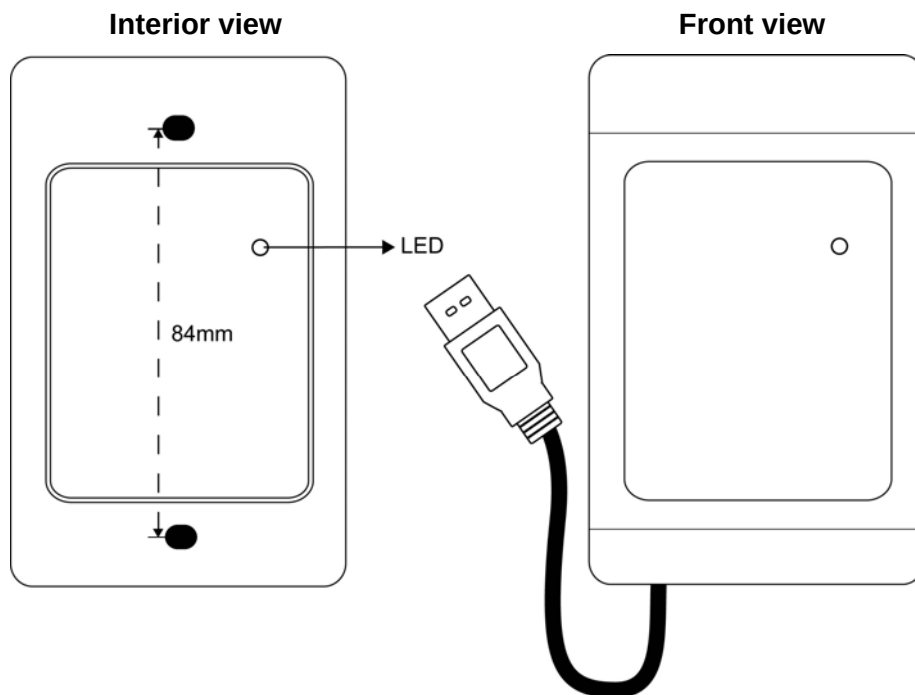
Value	Description	Value	Description
"01"	Setup baud rate of Reader	"08"	reserved for future use
"02"	reserved for future use	"09"	reserved for future use
"03"	Antenna On/Off	"0A"	reserved for future use
"04"	Get serial number of card	"0B"	Get firmware version
"05"	Read data from card	"0C"	Edit RAD
"06"	Write data to card	"0D"	Get RAD
"07"	reserved for future use	"0E"	reserved for future use

Parameter: Contents of command, such as address of card or data. (in ASCII)

LRC: Command ⊕ Parameter1 ⊕ Parameter2 ⊕ ... (in ASCII)

ETX: End byte. It's a fix value (0x03). (in Hexadecimal)

- **OUTLOOKING**



Note: Please install USB driver before using the device.

How to order:

PUA - 310 – 0 / M2 U2 / Y4

Firmware version

U1 : USB, keyboard emulation(without any PC driver)

U2 : USB, Reader/Writer (with software)

R2: RS-232

R5: RS-485

M0 : Reading Mifare UID (Serial No.)

M1 : Mifare sector number assigned by Pegasus for specific customer.
(with proprietary key)

M2 : For Mifare read/write application (customized firmware)

M8 : Reading card number from Mifare block 8 by factory defaulted key.

Specifications subject to change without notice for further modification.