



User's Guide for USB-CIF31

Summary:

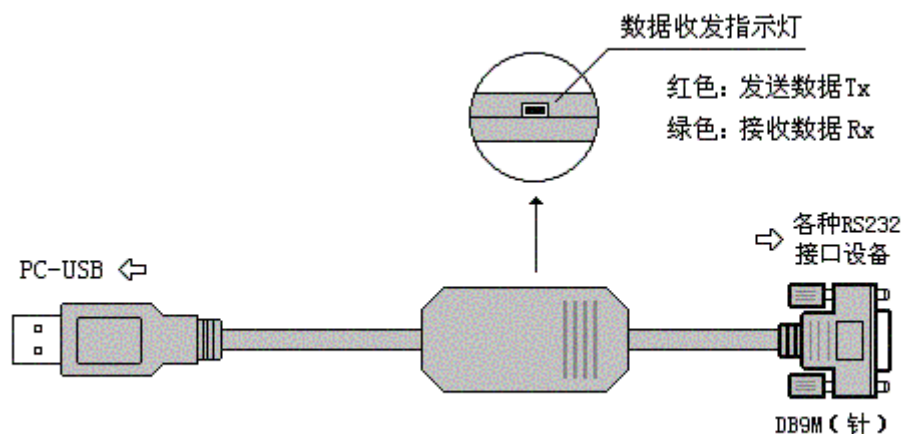
USB-CIF31 is USB to RS232 converter the real USB to RS232 interface converters. Under the control of computer-driven driver, the programming cable makes it possible for the computer's USB interface to simulate the traditional serial (known as COM interface), thus various existing programming software such as communications software, monitoring software and other applications can be normally used. The working power supply of this cable is directly from the USB port, but not the PLC programming interface. The two-color LED on the converter box indicates data's transceiving status.

The RS232 ports of the USB-CIF31 are standard DTE interface (DB9M-Block, the same with the computer's serial port RS232). Its signal as shown below:

Pin	signal	Description
1	DCD	Carrier signal
2	RXD	Receive data
3	TXD	Sent data
4	DTR	Data ready
5	GND	Signal GND
6	DSR	MODEM ready
7	RTS	request
8	CTS	clean
9	RI	Ringling signal

USB-CIF31 do a very good simulation as a RS232 serial port, and even direct operate hardware by I/O. for the user, just like to visit the physical RS232 ports. USB-CIF31 can be used to support majority of the traditional PLC cable programming, and this point is different from similar products on the market .the appendix will show the test results of the USB-CIF31 connection with various traditional RS232 interfaces with PLC programming cable communications.

Shape structure of the USB-CIF31:



Features and technological index:

- the operating system can support of the USB-CIF31 : Windows2000/XP (WinNT4/95/98/Me/DOS does not support)
- fully compatible with USB V1.1 and norms of USB CDC V1.1
- USB bus powered, the current consumption is about 50 mA
- baud rate: 300 bps ~ 1Mbps automatically adapt to the standard baud rate
- support UART data format: data bits: 7-8, stop bit: 1, 2, check-bit: odd / even / no parity
- each PC only support a USB-CIF31
- temperature: -20 ~ +75 °C
- Cable length: 1 m, colors: black

Usage:

USB device drivers should be installed before using USB-CIF31 programming cable, which are available on the CD-ROM sold together with the cable. And for the specific installation steps, please refer to the instruction files on the CD-ROM drivers, and details are not necessarily listed here.

After completing Driver installation, the corresponding COM port for the USB-CIF31 programming cable will be displayed in the “Device Manager” of Window. The step next is just to choose this COM port in the programming software and other application software and keep other communication parameters as in the Default settings. And the following steps are exactly the same as in the traditional programming cables with RS232 interfaces..

Appendix:

the success test data of the USB-CIF31 connecting with the traditional PLC programming cable (Win2000/XP operating system)

PLC	Traditional cable programming	Programming software version
Mitsubishi FX series	SC-09	FXGP/WIN V1.0、GPP V4.0、GX-Developer
Mitsubishi A series	SC-09	GPP V4.0、GX Developer
Fujitsu NB0	NN-CNV3	Flex V1.0
Matsushita FP0, FP1, FP3	AFP8550/8513	FPSOFT V1.1
Omron PLC	FS-CIF02 和 XW2Z-200S	CX-Programmer V1.2
Siemens LOGO!	PC-CABLE	LOGO! Soft V4.0
Siemens S7-200	PC/PPI	STEP7 Micro/WIN V4.0
Siemens S7-300	PC/MPI	STEP7 V5.3
GE 90-30 series PLC	IC690ACC901	CIMPLICITY ME V5.0
Delta DVP Series PLC	DVPACAB230	WPLSoft V2.03
A-B SLC Series	1747-PIC	FPSOFT V1.0

Note: USB-CIF31 does not support some of the cable programming with cheap chips on the market !

selected models U-7232 For USB to a number of RS232 .