

USBViewer Tool

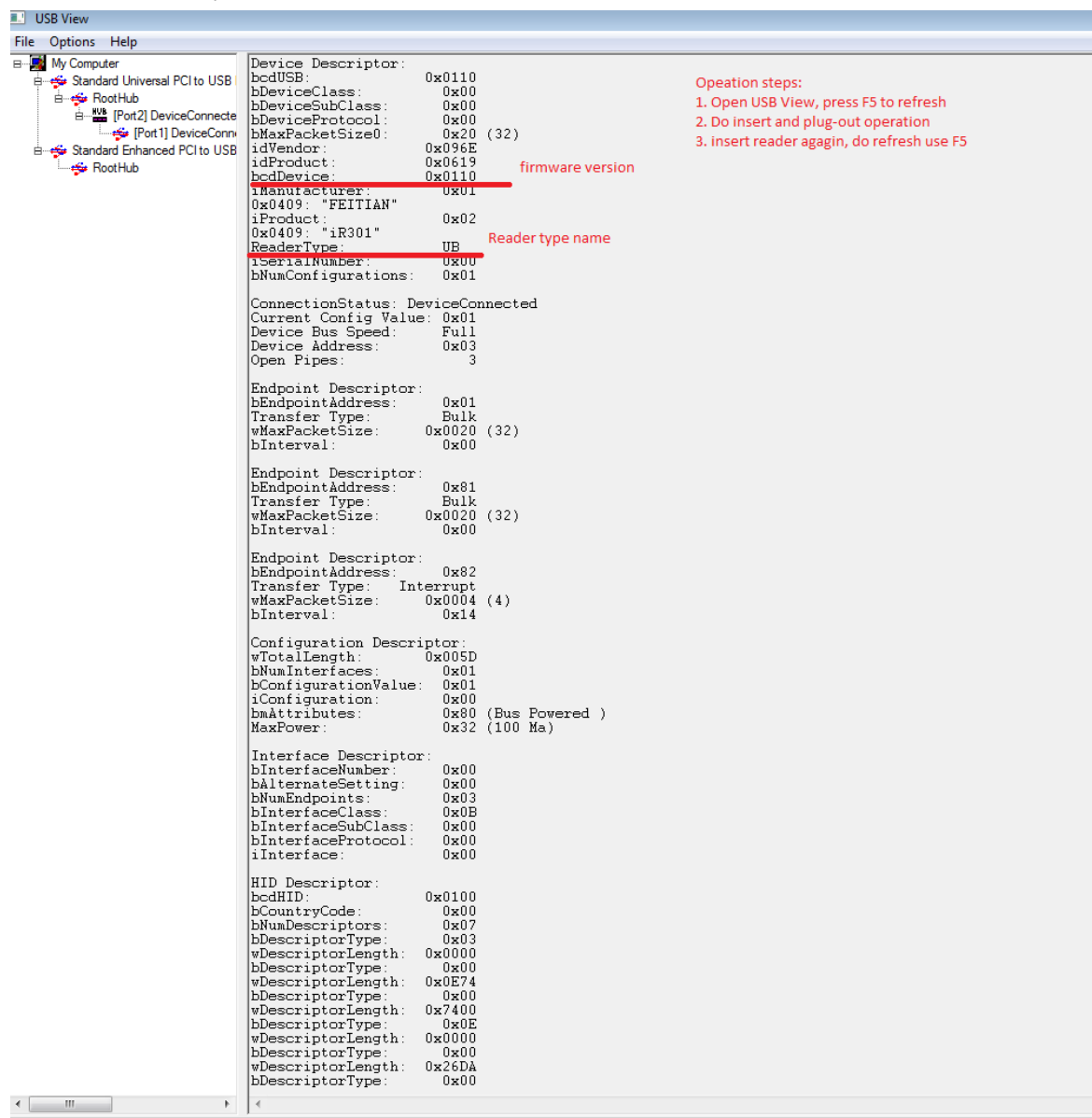
Notice:

When you run USBViewer, the tool will need authorize to change register in regedit.

So when you run USBViewer at first time, you need plug-in two times.

The tool can run on Windows XP above.

More information, please check below:



The screenshot shows the USB Viewer application window. On the left is a tree view of the USB hierarchy. The main pane displays detailed information for a connected device. Red annotations highlight specific fields: 'bcdDevice' is labeled 'firmware version', and 'ReaderType' is labeled 'Reader type name'. To the right of the main pane, a list of operation steps is provided.

Operation steps:

1. Open USB View, press F5 to refresh
2. Do insert and plug-out operation
3. Insert reader again, do refresh use F5

Device Descriptor:

- bcdUSB: 0x0110
- bDeviceClass: 0x00
- bDeviceSubClass: 0x00
- bDeviceProtocol: 0x00
- bMaxPacketSize0: 0x20 (32)
- idVendor: 0x096E
- idProduct: 0x0619
- bcdDevice: 0x0110 (firmware version)
- iManufacturer: 0x01
- 0x0409: "FEITIAN"
- iProduct: 0x02
- 0x0409: "iR301"
- ReaderType: UB (Reader type name)
- iSerialNumber: 0x00
- bNumConfigurations: 0x01

ConnectionStatus: DeviceConnected

Current Config Value: 0x01

Device Bus Speed: Full

Device Address: 0x03

Open Pipes: 3

Endpoint Descriptor:

- bEndpointAddress: 0x01
- Transfer Type: Bulk
- wMaxPacketSize: 0x0020 (32)
- bInterval: 0x00

Endpoint Descriptor:

- bEndpointAddress: 0x81
- Transfer Type: Bulk
- wMaxPacketSize: 0x0020 (32)
- bInterval: 0x00

Endpoint Descriptor:

- bEndpointAddress: 0x82
- Transfer Type: Interrupt
- wMaxPacketSize: 0x0004 (4)
- bInterval: 0x14

Configuration Descriptor:

- wTotalLength: 0x005D
- bNumInterfaces: 0x01
- bConfigurationValue: 0x01
- iConfiguration: 0x00
- bmAttributes: 0x80 (Bus Powered)
- MaxPower: 0x32 (100 Ma)

Interface Descriptor:

- bInterfaceNumber: 0x00
- bAlternateSetting: 0x00
- bNumEndpoints: 0x03
- bInterfaceClass: 0x0E
- bInterfaceSubClass: 0x00
- bInterfaceProtocol: 0x00
- iInterface: 0x00

HID Descriptor:

- bcdHID: 0x0100
- bCountryCode: 0x00
- bNumDescriptors: 0x07
- bDescriptorType: 0x03
- wDescriptorLength: 0x0000
- bDescriptorType: 0x00
- wDescriptorLength: 0x0E74
- bDescriptorType: 0x00
- wDescriptorLength: 0x7400
- bDescriptorType: 0x0E
- wDescriptorLength: 0x0000
- bDescriptorType: 0x00
- wDescriptorLength: 0x26DA
- bDescriptorType: 0x00

All FEITIAN mobile reader type name has listed below, the firmware we are collecting by product department.

Reader TYPE:

iR301-UA or NULL:

V1 – first version (Null means the firmware is very old and without reader type in firmware)

iR301-UB:

V2 – second version, fixed bugs and change firmware will more stable of card supports

iR301-UC:

V3 – Third version, based on V2 has more improves, the mainly issue is faster of authentication between iOS and reader. It testing by test department.

PS: Some people has mentioned **iR301-UL**, the UL means lightning port, there only connector different, all functions is same and SDK too.

In recent, we are working on iPad case reader, they are all in one series.