

Fingerprint Reader User Guide

v2.0



Union
biometrics

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1. Specification

1.1. Specification

ITEM	Description	Remark
Interface	USB 2.0	
System	Sensor + 13.56MHz	
Speed	2 sec	
FRR	0.1%	
FAR	0.002%	
Supply Voltage	DC 5V	
Capture Type	Optical	
CPU	16 Bit RISC Processor	
Operating Temperature	-20°C~-50°C	

2. Before start

2.1. Safety precautions

Warning

- | | |
|--|--|
| <p> Do not place a fire source near the reader.
It may cause a fire.</p> | <p> Do not disassemble, repair, or modify the reader at discretion.
It may cause an electric shock, fire or damage.</p> |
| <p> Handling with wet hands or allowing liquid to flow into it is prohibited.
It may cause an electric shock or damage.</p> | <p> Keep out of reach of children.
It may cause an accident or damage.</p> |
| <p> Avoid using insecticides or flammable sprays near the reader.
It may result in deformation or color change.</p> | <p> Avoid using water, benzene, thinner, or alcohol for cleaning.
It may cause an electric shock or fire.</p> |

Warning

If the above warnings are ignored, it may result in death or serious injury.

Cautions

If the above cautions are ignored, it may result in property loss or human injury.

 The sign is a "Prohibition"

 The sign is that user should keep the manual

Caution

- | | |
|--|---|
| <p> Do not contaminate the fingerprint input area.
Fingerprints may not be well recognized.</p> | <p> Do not place a magnet close to the reader.
The reader may break down or malfunction.</p> |
| <p> Avoid high humidity or dust.
The reader may be damaged.</p> | <p> Avoid severe temperature changes.
The reader may be broken.</p> |
| <p> Avoid impacts or using sharp objects on the reader.
The reader may be damaged and broken.</p> | <p> Under no circumstances will Union Community be responsible for accidents or damages caused by inappropriate use of the product without referring to this installation guide.</p> |

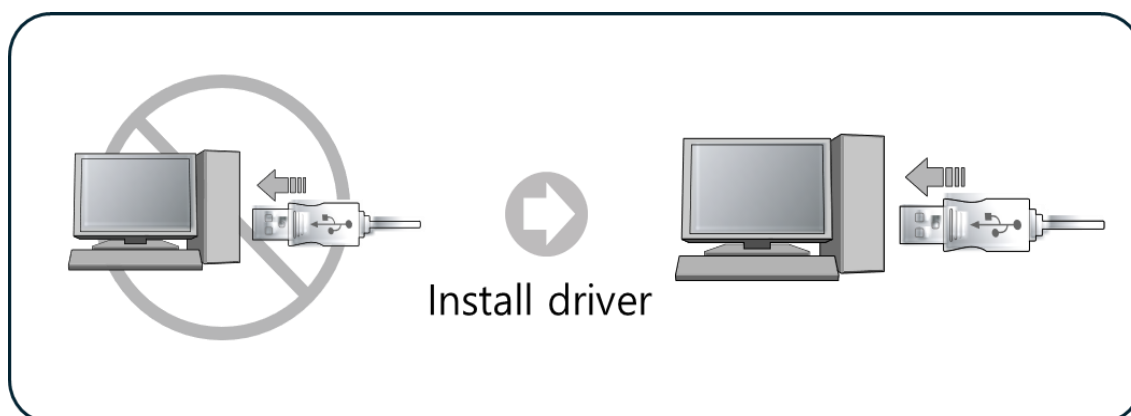
2.2. Product description



- VIRDI FOH02RF (USB Fingerprint reader with RF card) support for fingerprint and RF card (125Khz, Contactless type)
- (W) mark (behind the model name) indicates the fingerprint input window (sensor) is wide type

2.3. Caution before installation

- Please connect USB cable after installing driver.



2.4. System requirements

OS	Windows XP, Windows 7, Windows 8	
CPU	Minimum	PIII
	Recommend	PIV or higher
Memory	Minimum	64MB
	Recommend	128MB or higher
Communication	USB 2.0	

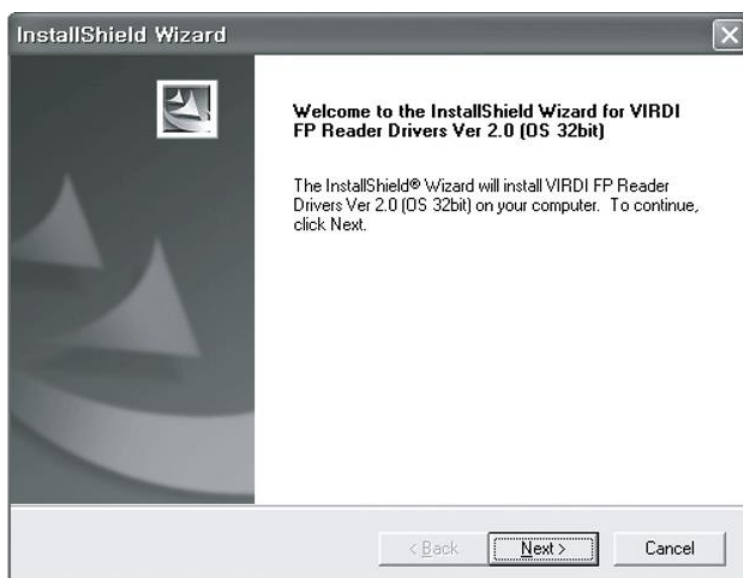
3. Install driver

3.1. Start to install software

The installation process will start automatically after inserting the CD.

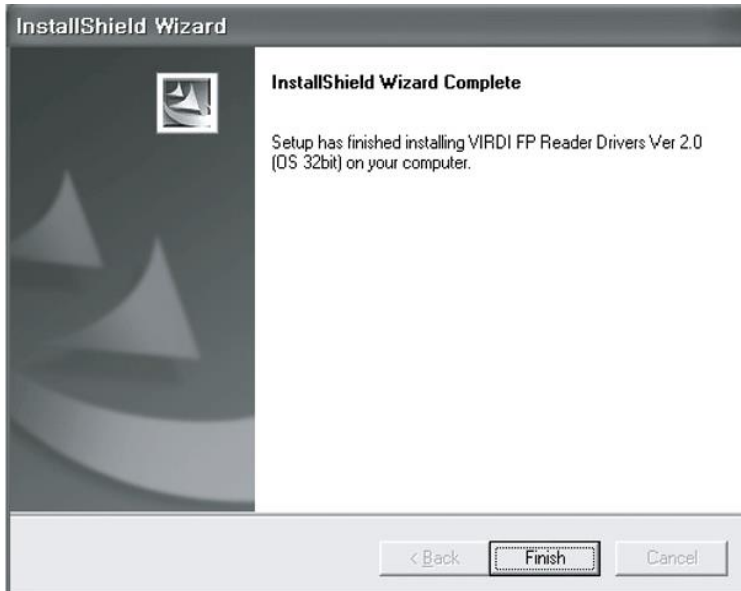
Click [Next].

(If the installation process does not start, please double click 'setup.exe' in the 'Driver' folder of installation CD.)



3.2. Finishing software installation

Click [Finish] to end installation.



3.3. Connecting through USB port

Please connect the USB cable to the USB port on the computer as illustrated in the picture.



3.4. Begin hardware installation

Windows should recognize the fingerprint reader when plugged in. The Found New Hardware Wizard will be displayed. Click [Next] to continue.



3.5. Windows compatibility warning

Please click [Continue Anyway].



3.6. Finishing hardware installation

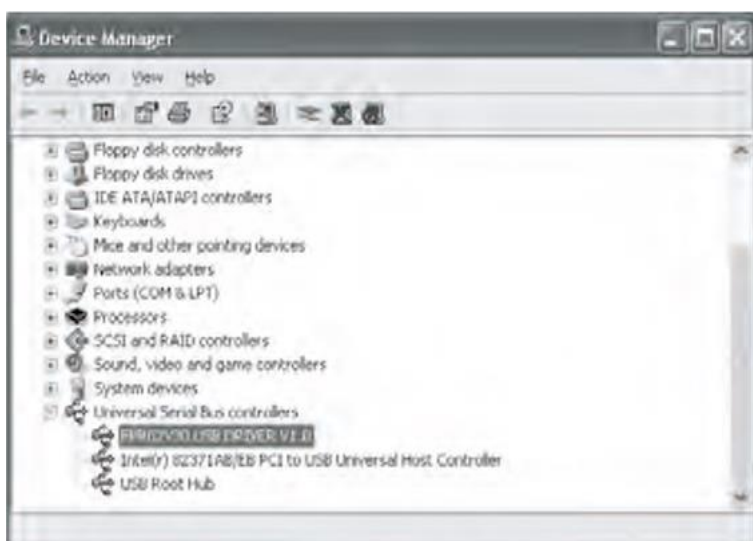
Please click [Finish] to close the Found New Hardware Wizard.



4. Device check

4.1. Device check

To check if the fingerprint identification device has been correctly installed, go to [My Computer] ► [Control Panel] ► [System] ► [Hardware] ► [Device Manager] and confirm the USB controller. If it shows Fingerprint Reader v2.0 as below, the fingerprint identification device has been properly installed.



5. Troubleshooting

5.1. Incorrect installation of driver

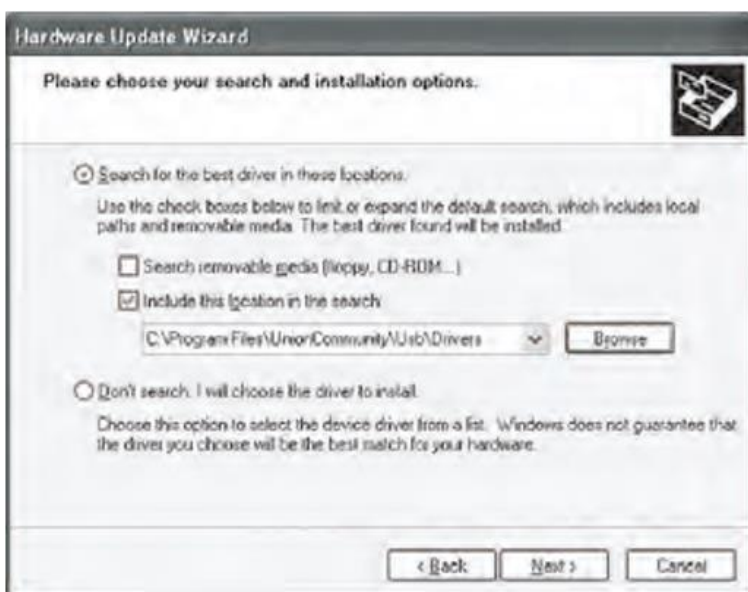
If the yellow exclamation mark appears in the Device Manager, please remove the device and refresh. Repeat the USB driver installation process setup again.



5.2. Assign driver path

If the setup screen does not appear automatically or the installation wizard prompts you to assign the driver path during setup, please browse and choose the folder.

[C:\Program Files\UnionCommunity\Usb\Drivers].



FCC Information

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions :

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.