



SCANOLOGY

Scanology WiFiCard User Manual



SCANOLOGY

1. Product Introduction

1.1 Product Overview

The Scanology WiFiCard 1.0 is a highly integrated Wi-Fi 6 USB wireless network card with a built-in low-power dual-band Wireless Local Area Network (WLAN). It supports the latest 802.11ax Wi-Fi transmission standard and is backward compatible with 802.11ac/b/g/n standards. Equipped with MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology, the Wi-Fi card can simultaneously search for network signals in both the 2.4GHz and 5GHz bands. The maximum transmission rate reaches up to 1800Mbps (574Mbps on 2.4GHz and 1201Mbps on 5GHz). It supports software drivers for Windows 10 (64-bit) and Windows 11 (64-bit) operating systems, enabling it to rapidly process file transfers, video streaming, multimedia, and other high-bandwidth applications.

This wireless network card utilizes 2T2R antenna technology, designed to meet user demands for low power consumption and high-throughput transmission. It is easy to install and use, allowing for a quick and effortless wireless network setup. In terms of wireless security, it supports WPA2/WPA3 encryption, enabling you to quickly implement wireless encryption and safeguard your network security.



SCANOLGY

1. 2 Key Features

- Supports the 802.11ax Wi-Fi standard, backward compatible with 802.11ac/b/g/n wireless devices.
- Features MU-MIMO transmission technology for low power consumption and high throughput.
- Selectable dual-band (2.4GHz/574Mbps, 5.8GHz/1201Mbps).
- Supports WPA2/WPA3 data encryption.
- Supports Windows 10 (64-bit) and Windows 11 (64-bit) operating systems.
- Utilizes 2T2R antenna technology for multiplexed transmission.
- Built-in 2dBi antenna.
- Compatible with USB 3.0 and USB 2.0 interfaces.



2. Operating Instructions

2.1 Product Images





SCANOLOGY

2. 2. Operating Steps

Step 1: Hardware Installation Insert the Scanology WiFiCard 1.0 directly into the designated USB port on your 3D scanner. Make sure it is securely connected.

Step 2: Device Initialization Power on the 3D scanner. The Wi-Fi card is designed for seamless integration and will initialize automatically with the scanner's system.

Note: There is no need to install or update any drivers on your PC.

Step 3: Software Connection Launch the dedicated 3D scanning software on your computer (Windows 10/11 64-bit). Use the software's connection interface to search for and connect to the 3D scanner via the wireless network broadcasted by the WiFiCard.

Step 4: Start Scanning Once the scanning software indicates a successful connection and device readiness, you can begin your 3D scanning workflow smoothly.



SCANOLGY

3. Regulatory Compliance

Our products strictly comply with the following certification standards, allowing users to purchase and use them with confidence. The applicable certification standards are listed in the table below:

Our products strictly comply with the following certification standards, allowing users to purchase and use them with confidence. The applicable certification standards are listed in the table below:

Certificates	Summary
FCC	1.This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)This device may not cause harmful interference. (2)This device must accept any interference received, including interference that may cause undesired operation. 2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note:This equipment has been tested and found to comply with the limits for a class B digital device,pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
CE	
SRRC	