

WiFi/ USB 2.0 to 2.5" SATA Hard Drive Enclosure

S2510U2WF

S2510U2WUKEU



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

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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.

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Introduction

The S2510U2WF/S2510U2WUKEU WiFi/USB 2.0 to SATA Hard Drive Enclosure is a unique combination of wireless external storage device and wireless access point (AP) in one, enabling you to access data over a WiFi connection or a USB 2.0 connection (as a normal 2.5-inch SATA HDD enclosure), or create a local wireless hot spot with a shared hard drive (NAS).

The perfect solution for users who are on the road and need a simple way to create their own portable wireless LAN (WLAN), the WiFi enclosure enables you to turn a hardwired Internet connection into a wireless access point for networking laptops or netbooks or Personal Electronic Devices such as smartphones or tablets. While connected, users can access data on the enclosed hard drive, making it easier and more secure to share files with multiple computers at the same time over FTP, SMB or a dedicated web interface.

Packaging Contents

- 1 x 2.5" SATA HDD Enclosure
- 1 x USB Cable
- 1 x Ethernet Cable
- 1 x Power Adapter (S2510U2WF)
- 2 x Power Adapters (S2510U2WUKEU)
- 1 x Software CD
- 1 x Instruction Manual

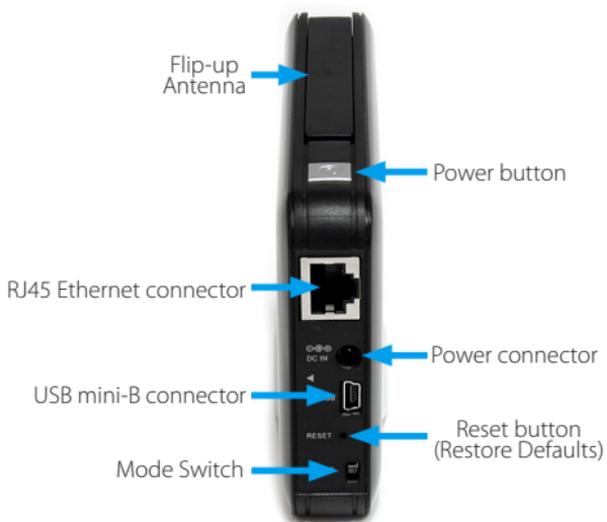
System Requirements

- Available AC electrical outlet
- **AP Mode:**
 - Wired Ethernet router, or switch, or modem
 - Computer system with WiFi capabilities
- **Client Mode:**
 - Wireless router
 - Computer system with available RJ45 Ethernet port
- **USB Mode :** USB enabled computer system with available USB port
- **Client Software :** Microsoft® Windows® 2000/ XP/ Server 2003/ Vista/ Server 2008 R2/ 7 (32/64-bit) / 8 (32/64-bit) and .Net Framework 2.0

Front View



Rear View



Installation

WARNING! Hard drives and storage enclosures require careful handling, especially when being transported. If you are not careful with your hard disk, lost data may result. Always handle your hard drive and storage device with caution. Be sure that you are properly grounded by wearing an anti-static strap when handling computer components or discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds.

Hardware Installation

Hard Drive Installation

1. Firmly press on the rear panel of the enclosure, just above the USB mini connector (marked by a small triangle). This will release a small latch on the inside of the side panel.
2. While still pressing on the rear panel, gently yet firmly pull the side panel off.
3. Place the 2.5" SATA hard drive or SSD into the tray and slide the drive up to the SATA connector inside the enclosure.



*installation images for reference only



- Place the side panel back onto the enclosure, making sure to properly line up the latches before snapping the cover into place.



AP Mode Setup

In this mode, the WiFi Enclosure will act as a wireless access point (AP), enabling computers with wireless adapters to connect to it. All connected clients will then be able to access the resources of the WiFi Enclosure. The WiFi Enclosure can also be connected directly to an Internet enabled router/switch/broadband modem to share Internet access to all connected clients.



- Make sure the Mode Switch on the rear panel of the enclosure is set to "AP" mode.
- OPTIONAL:** Connect an Ethernet cable from the enclosure to the Ethernet port on a router/switch/broadband modem.
- Connect the included power adapter to the enclosure.
- Extend the flip up antenna, located along the top edge of the enclosure.
- Press the power button located along the top edge of the enclosure, near the rear panel. The LEDs on the front of the enclosure will light up and begin flashing orange during initialization. Once the Power LED lights up solid green, the unit will be ready.

NOTE: The default wireless network name (SSID) is "S2510U2WF", with an IP address of 192.168.2.1. Automatic IP (DHCP) is also enabled.

Client Mode Setup

In this mode, the WiFi Enclosure will act as a wireless adapter for a host computer system through a standard Ethernet port. This will allow the host computer to wirelessly connect to an existing wireless AP, while being able to access the resources of the WiFi Enclosure. Other clients connected to the wireless AP will also be able to access the resources on the WiFi Enclosure.



1. Make sure the Mode Switch on the rear panel of the enclosure is set to “Client Scan” mode.
2. Connect an Ethernet cable from the enclosure to the Ethernet port on the host computer system.
3. Connect the included power adapter to the enclosure.
4. Extend the flip up antenna, located along the top edge of the enclosure.
5. Press the power button located along the top edge of the enclosure, near the rear panel. The LEDs on the front of the enclosure will light up and begin flashing orange during initialization. Once the Power LED lights up solid green, the unit will be ready.

NOTE: The default IP address of the enclosure is 192.168.2.1, with automatic IP (DHCP) enabled.

USB Mode Setup

This mode is used for direct USB access to the hard drive, like any standard external hard drive enclosure. The WiFi capabilities will be disabled while in this mode.

1. Connect the USB cable from the rear panel of the enclosure to an available USB port on the host computer system.
2. Connect the power adapter from the enclosure to an AC electrical outlet.
3. Press the power button located along the top edge of the enclosure, near the rear panel. Once the Power LED lights up solid green, the unit will be ready.
4. The enclosure will be automatically detected by the operating system.

Driver Installation

No drivers are required to be installed to access the data on the WiFi Enclosure through USB mode.

An optional client software for Windows operating systems is available to make locating and configuring the enclosure simple (**AP** and **Client Scan** settings only), for those whom do not wish to use the web interface.

1. To install the client software, insert the included Software CD into the computers CD/DVD drive.
2. AutoPlay should automatically launch and display all of the folders on the CD or prompt you to view all files. If not, open "My Computer" and double-click on the CD/DVD drive.
3. In the root directory, there will be the file "Setup.exe". Double-click the file.
4. This will launch the software Installation wizard. Continue through the wizard and once complete, the software will be installed and ready to use. A shortcut for the utility will appear on the desktop.

How to Use

Once the hardware has been setup, changes to the network configuration may be necessary. These changes can be made either through the built-in web interface, or the Client software (Windows only).

Web Interface

A built-in web server offers a convenient interface for accessing the hard drive contents, as well as network configuration and the built-in Bit Torrent client and general maintenance and setup options of the WiFi Enclosure.

To access the web interface, launch a web browser window and type in the IP address of the enclosure (**default: 192.168.2.1**). The default account is "Admin" and default password is "admin", without the quotes.



*all screenshots for reference only



System Setting

Status

This section provides general information about the running status of the WiFi Enclosure. Services such as SMB, FTP and BitTorrent can be disabled/enabled from this section as well.

S2510U2WF System Information

Model Name	: S2510U2WF
Version	: 2.0.0.0
Current Mode	: Client Scan Mode
Time	: Thu Dec 8 09:52:26 UTC 2011
Wired IP	: 192.168.2.1 By DHCP
Connected SSID	:
Wired MAC	: 00:18:5C:00:02:FE
Wireless MAC	: 00:18:5C:00:02:FD

Application Status

SAMBA Server	: ON	Disable
FTP Server	: ON	Disable
BITTorrent Client	: ON	Disable
Media Center	: ON	Disable

Setting

The network settings for the WiFi Enclosure can be configured from this section. Settings specific for each mode can be accessed by clicking on the appropriate link/image. For AP mode, the wireless network name (SSID), security settings and IP addresses and WAN Port can be configured. For Client Scan mode, the list of available wireless networks and preferred networks (saved settings) will be listed.

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Home
Status
Setting
Account Setting
Maintenance

S2510U2WF IP Address

Current IP Address: 192.168.2.2
Subnet Mask: 255.255.255.0

DHCP Setting

IP start from: 192.168.2.2
IP end at: 192.168.2.253

Apply Save

Select Setup Mode

AP Mode Client Scan Mode

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Wireless Setting

SSID: S2510U2WF
Security: None
Channel: 9
Country Code: 0 CH1-13
Wireless Mode: 802.11 b/g/n mixed

S2510U2WF WAN Setting

Auto IP Assign
 DSL (PPPoE)
 Fixed IP Address

Click [here](#) go back to basic setting.

Previous Apply Save

AP Mode

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STEP 1 > Select the signal by click

Selected AP: **Reflex**

SSID	Signal	Mode
L9	10	G

STEP 2 > Connect the selected AP

Router1	Router2	Router3
None	None	None
Key	Key	Key
None	None	None
Key	Key	Key

Previous Apply Save

Client Scan Mode

Account Setting

Up to 8 new user accounts can be created from this section. Permissions can also be set for each user account for the web interface, SMB and FTP. If you wish to setup DDNS, this can also be configured from this section.

NOTE: It is recommended to change the default Admin account password.

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Accounts Web Login/Samba/FTP DDNS

Administrator account Setting

Account	Admin	Password	****
User 1		Password	
User 2		Password	
User 3		Password	
User 4		Password	
User 5		Password	
User 6		Password	
User 7		Password	
User 8		Password	

Save

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Accounts Web Login/Samba/FTP DDNS

User Setting

Accounts: []

Web Login/Samba/FTP Shares Folder

Home	Share	Public
<input type="radio"/> Full <input type="radio"/> Read Only <input type="radio"/> Denied	<input type="radio"/> Full <input type="radio"/> Read Only <input type="radio"/> Denied	<input type="radio"/> Full <input type="radio"/> Read Only <input type="radio"/> Denied

Save

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Home
Status
Setting
Account Setting
Maintenance

Accounts Web Login/Samba/FTP DDNS

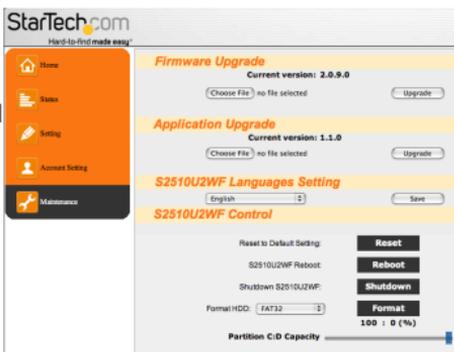
DDNS Setting

Host/Domain Name: []
User Name: []
Password: []
External Port: 80

Save

Maintenance

Updates to the firmware and software on the WiFi Enclosure can be performed from this section, as well as rebooting and shutting down the enclosure. The latest firmware can be downloaded from the StarTech.com website (www.startech.com). The Disk Format utility is found here and can be used to format the SATA drive and create one or two partitions. **NOTE:** The web interface will only recognize up to 2 partitions on the hard drive.



Web Folder

The Web Folder allows for access and maintenance of the files and folders on the hard drive. The different tasks that can be performed, are accessible through the buttons along the top of the file browser window, such as uploading files, deleting files and searching for files.



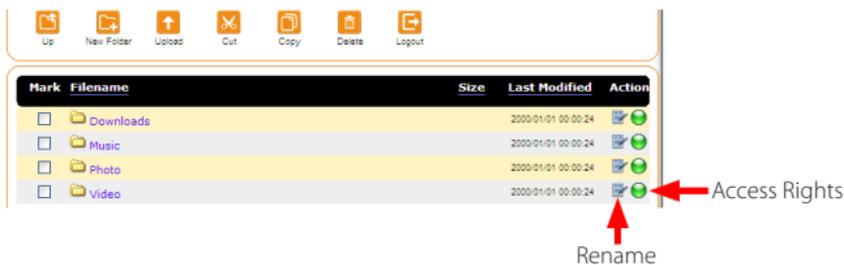
To **upload** files to the WiFi Enclosure, click the “Upload” button and then select each file you wish to upload by clicking the “Browse” button. You can only select one file per line. Once you have selected all the files, click the “Upload File” button to begin the upload. To download files, simply click on the file name in the file browser window



The **Copy**, **Cut** and **Paste** buttons allow for duplicating or moving files and folders around the hard drive. Select the files/folders you wish to copy/move by check marking them and click the “Copy” or “Cut” button. Next, navigate to the destination folder where you want the files and click the “Paste” button.

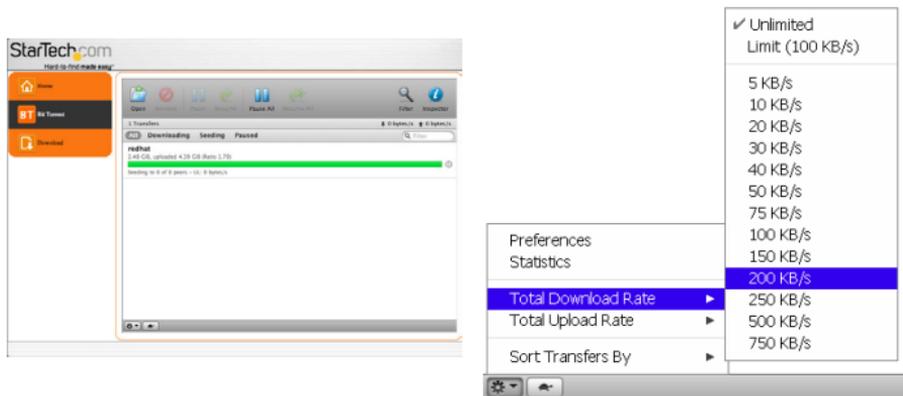
To **delete** files/folder, select it by check marking it, then clicking the “Delete” button.

While logged in as the Admin account, you can set **access rights/permissions** for files and folders by clicking on the round icon under the “Action” heading on the far right side of each folder. The icon next to this is for the **rename** action, which allows for renaming files and folders.

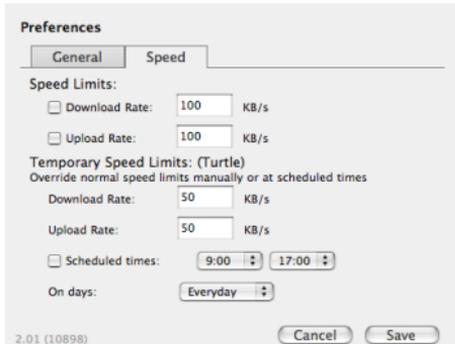


BitTorrent

A built-in BitTorrent client (Transmission BT) allows for computer-less (standalone) downloading of files through the BitTorrent peer-to-peer (P2P) protocol. Torrent files can be added to the download queue by clicking the “Add” button.



Configuration options for the BT client are accessible from the Preferences settings button in the bottom left corner. Settings such as download/upload speeds, schedules and port configuration are available.

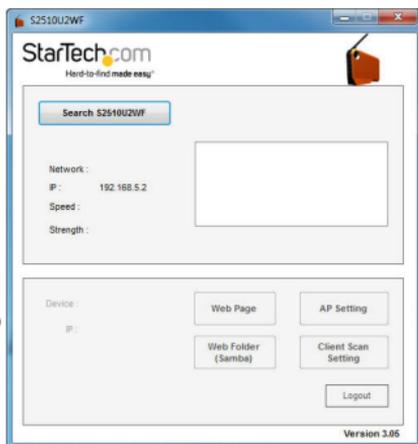


Client Software (Windows only)

The client software can be used as an alternative to the web interface to configure the WiFi Enclosure and access some of its features. While connected to the same network as the enclosure (either AP or Client Scan modes), click on the “Search” button. The software will attempt to locate the enclosure and connect to it. If found, the software will prompt you to connect to it.

Once connected, the configuration settings for AP and Client Scan modes will be available, as well as access to the files on the hard drive (Web Folder). The option to launch the web interface, for more detailed options, is also available.

Once you are finished with the enclosure, click the “Log Off” button and close the application.



Samba (SMB)/ FTP Access

Once the WiFi Enclosure has been properly configured, the files and folders on the WiFi Enclosure can be accessed directly through SMB or FTP with the appropriate client software. SMB and FTP access are enabled by default, but can be disabled (or re-enabled) from the web interface's System Settings -> Status page.

Many FTP clients are available for any operating system, so please consult the software's documentation for exact setup details.

Automatic Discovery (Windows Vista/ 7/ 8, Mac OS 10.6/ 10.7)

The WiFi Enclosure can be setup to be automatically discovered as a networked storage device. Any Vista/ 7 or Mac OS 10.6/10.7 computer connected to the same network as the WiFi drive will be able to see and access the drive (with appropriate login credentials).

1. To setup the WiFi Enclosure as discoverable, at least one User account must be created through the web interface.
2. **Windows 7/8:** Make sure that Network Discovery is enabled in the "Network and Sharing Center", then the "Advanced sharing settings".

Windows Vista: Make sure that Network Discovery is enabled in the "Network and Sharing Center", then "Sharing and Discovery" then "Network Discovery".

Mac OS: Network Discovery is enabled by default.

3. With SMB enabled and a User account created, the WiFi Enclosure will appear in the "Network" screen under the Start menu (Windows) or under "Shared" in the Finder window (Mac OS). The name of the WiFi Enclosure will be the same as the device's SSID (default SSID: S2510U2WF).
4. When trying to access the WiFi Enclosure, it will prompt you for a user name/ password. Use any User account (including Admin) to login.

Mapping Network Drive

The WiFi Enclosure can be manually mapped as a network drive on any computer system that supports SMB. This method allows each directory on the WiFi Enclosure to be mapped as a separate network drive (i.e. The "Share" folder mapped to Z:, and "Public" mapped to Y:).

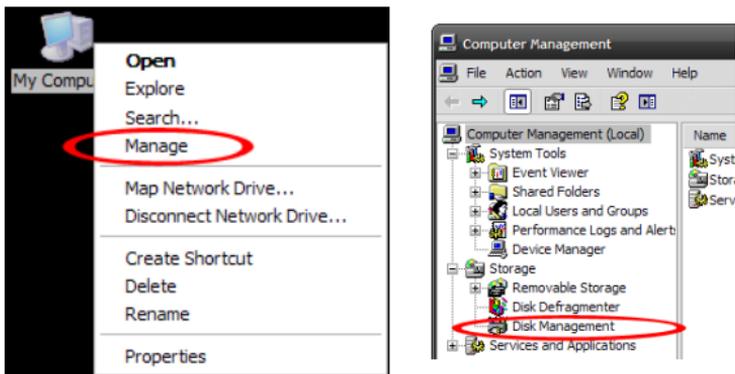
Through Windows, this can be accomplished through the "Map Network Drive" command found in the Explorer window. Enter the IP address of the WiFi Enclosure in the format: `\\ipaddress\sharename` (where 'sharename' is the name of a directory/ partition on the WiFi Enclosure but is optional).

Through Mac OS access the "Connect to Server..." command found in Finder. Enter the IP address of the WiFi Enclosure in the format: `smb://ipaddress/sharename` (where 'sharename' is the name of a directory/partition on the WiFi Enclosure but is optional).

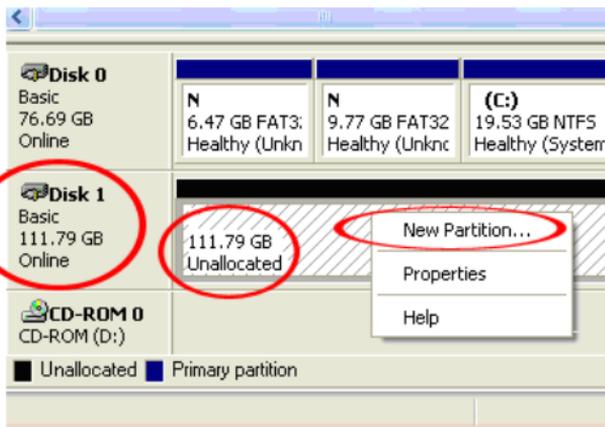
Using the Storage Device (USB Mode)

Windows 2000/ XP/ Vista/ 7/ 8

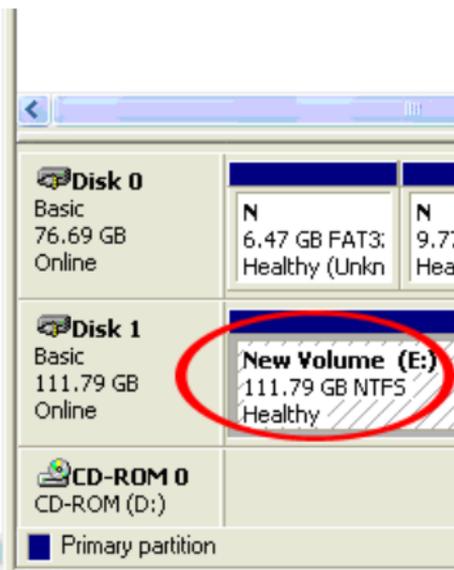
If you are using a brand new hard drive that does not contain any data, then you will first need to prepare the hard drive for use. From the main desktop, right-click on "My Computer" ("Computer" in Vista/ 7), then select Manage. In the new Computer Management window, select Disk Management from the left window panel.



Locate the Disk that says it is "Unallocated" (check hard drive capacity to confirm it's the correct hard drive) and then right-click in the section that says "Unallocated" and select "New Partition".



The New Partition Wizard will appear. Follow the instructions in the wizard to complete setting up the drive. Once complete, the Disk should show up as “Healthy” with a drive letter assigned (i.e. E:). This drive letter should now appear within My Computer.



If you are installing a hard drive that already has data on it, then after plugging it in, the drive should automatically show up with a drive letter assigned within My Computer.

Specifications

Number of Drive Bays	1
Host Interface	USB 2.0
Chipset ID	Ralink RT3052
External Connectors	1 x USB 2.0 mini-B female 1 x RJ45 Ethernet female 1 x DC Power
LEDs	1 x Power 1 x WiFi Status 1 x LAN Status 1 x HDD Activity
Compatible Hard Drives	2.5" SATA hard drive or solid state drive, 9.5mm height
Supported File System Type	FAT32, NTFS
Networking Standards	IEEE 802.3, IEEE 802.3u IEEE 802.11b/g/n
Wireless Frequency	2.4 GHz
Antenna Configuration	2x2:2
Supported Wireless Security Protocols	WEP (64/128-bit), WPA-PSK (AES, TKIP), WPA2-PSK (AES), WPA+WPA2
WAN Connection Type	DHCP, PPPoE, Static/Fixed
Supported Network Protocols	BitTorrent, SMB, FTP
Maximum Data Transfer Rate	USB 2.0: 480 Mbps LAN: 10/100 Mbps WLAN: 300 Mbps
Power Adapter	5V DC, 2000mA, center positive
Enclosure Material	Plastic

Specifications (Cont'd)

Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Humidity	8% ~ 90% RH
Dimensions	147.0mm x 93.0mm x 31.0mm
Weight	155g
Compatible Operating Systems (Client Software only)	Windows 2000/ XP/ Server 2003/ Vista/ Server 2008 R2/ 7 (32/64-bit)/ 8 (32/64-bit)

Technical Support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

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