



How to connect SIL iSite to a Wi-Fi Network

DESCRIPTION

SilverNet iSite Routers supports access to the Internet via Wi-Fi.

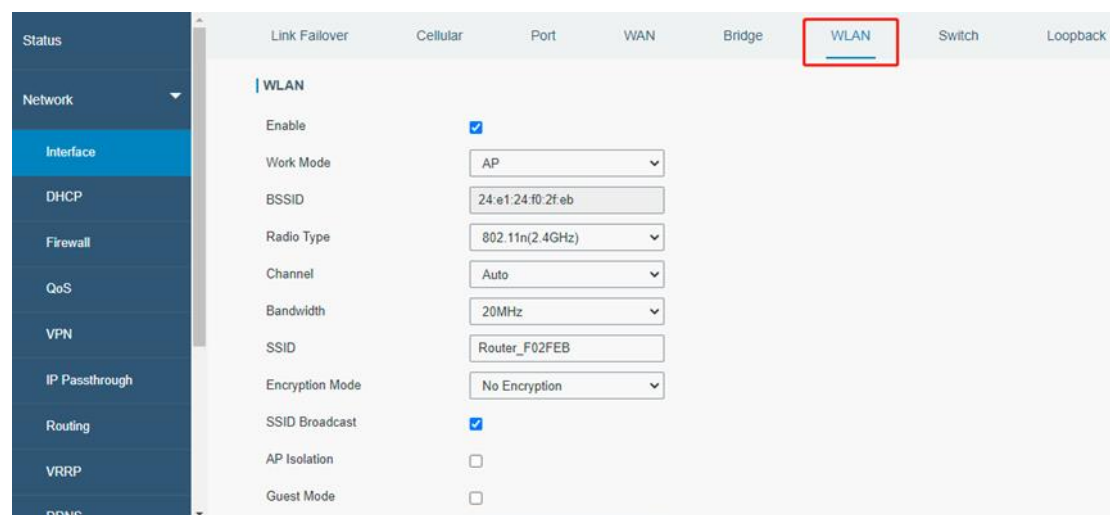
This article describes how to connect a SilverNet iSite Router to a Wi-Fi network.

REQUIREMENT

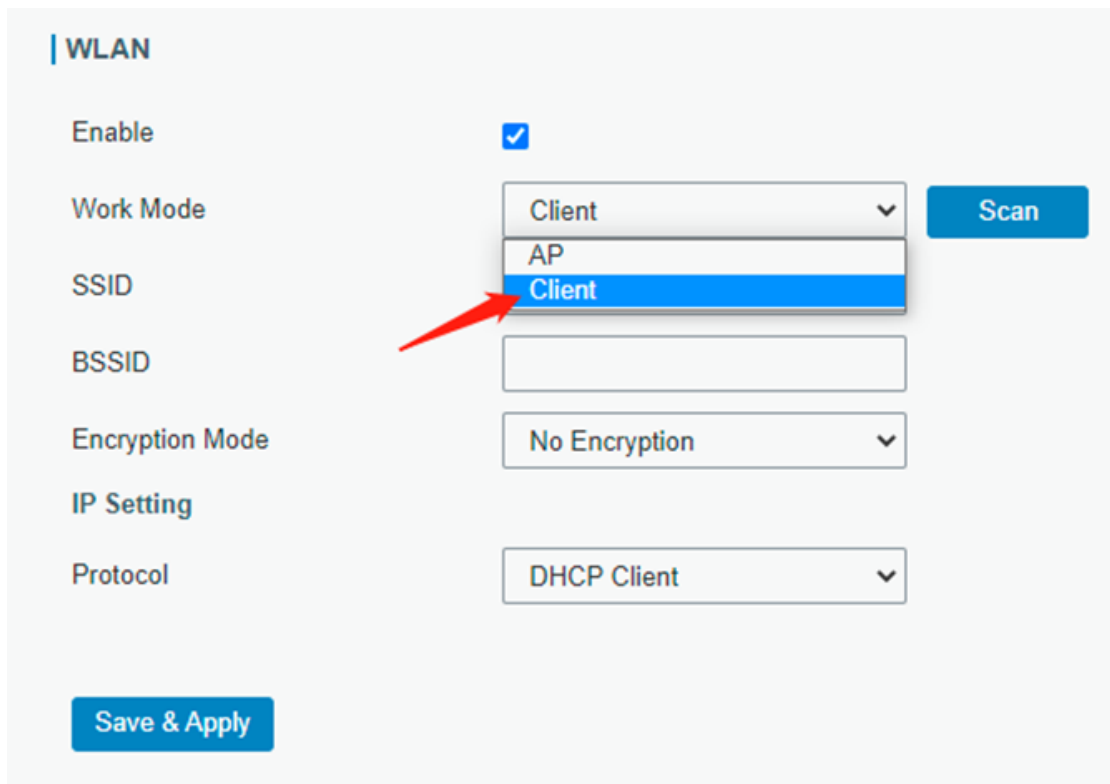
SilverNet iSite Router which is equipped with Wi-Fi module and Wi-Fi antennas.

CONFIGURATION

1. Check whether the router supports Wi-Fi feature.
2. Check the frequency of Wi-Fi, there are differing frequencies in different models.
3. Log in to the router's Web GUI via Ethernet port, Go to Network -> Interface -> WLAN for configuration.

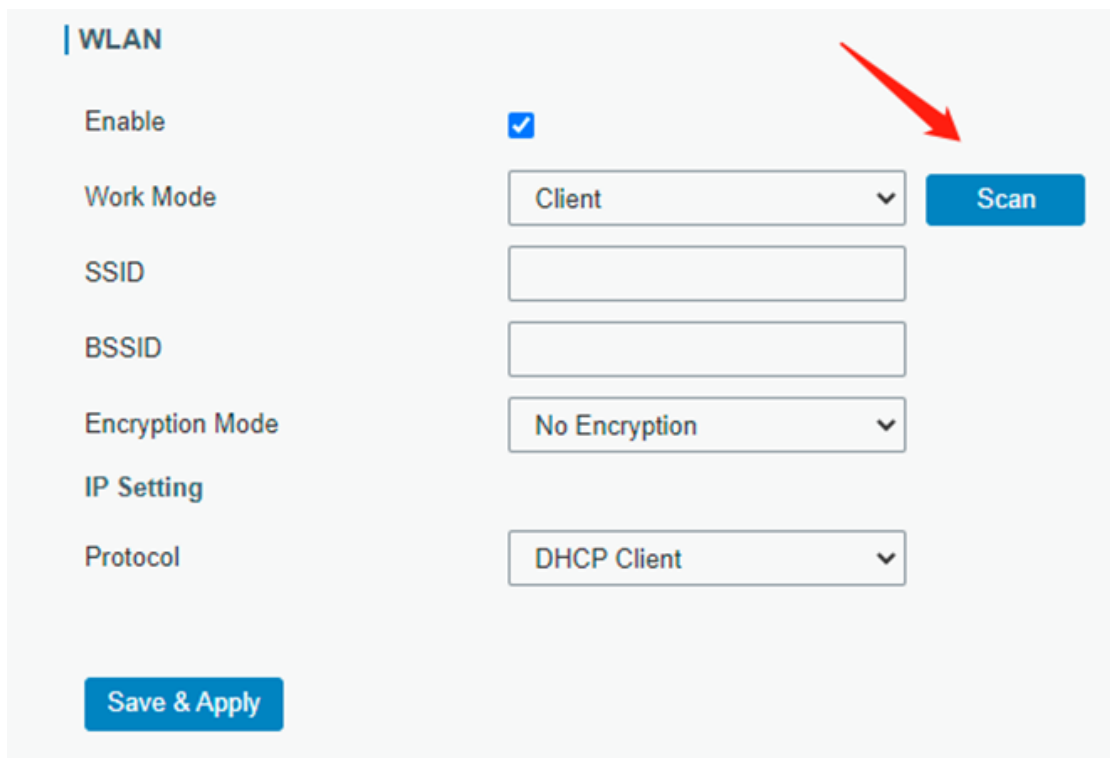


4. Configure work mode as Client mode.



The screenshot shows the 'WLAN' configuration page. The 'Enable' checkbox is checked. The 'Work Mode' dropdown menu is open, showing three options: 'Client', 'AP', and 'Client'. A red arrow points to the 'Client' option. The 'Scan' button is visible to the right of the dropdown. Other fields include 'SSID', 'BSSID', 'Encryption Mode' (set to 'No Encryption'), 'IP Setting', and 'Protocol' (set to 'DHCP Client'). A 'Save & Apply' button is at the bottom left.

5. Click Scan to search and join the Wi-Fi network nearby.



The screenshot shows the same 'WLAN' configuration page. The 'Work Mode' dropdown is now closed and set to 'Client'. A red arrow points to the 'Scan' button. The 'Save & Apply' button remains at the bottom left.

Link Fallover	Cellular	Port	WAN	Bridge	WLAN	Switch	Loopback
< GoBack							
SSID	Channel	Signal	Cipher	BSSID	Security	Frequency	
SNGuest	Auto	-32dBm	Auto	50:11:eb:10:1c:28	No Encryption	2437MHz	Join Network
PP3GWIFI	Auto	-84dBm	AES	00:1e:42:3a:a2:b6	WPA-PSK/WPA2-PSK	2462MHz	Join Network
Wheelhouse	Auto	-73dBm	AES	50:11:eb:10:1c:f0	WPA2-PSK	2462MHz	Join Network
WheelGuest	Auto	-72dBm	AES	50:11:eb:10:1c:f1	WPA2-PSK	2462MHz	Join Network
WirelessNet	Auto	-61dBm	AES	14:1f:ba:84:d4:d1	WPA2-PSK	2412MHz	Join Network
SilverNet	Auto	-49dBm	AES	14:1f:ba:7e:e2:a0	WPA2-PSK	2412MHz	Join Network
SilverNet	Auto	-54dBm	AES	14:1f:ba:84:d4:d0	WPA2-PSK	2412MHz	Join Network
WirelessNet	Auto	-54dBm	AES	14:1f:ba:7e:e2:a1	WPA2-PSK	2412MHz	Join Network
WheelGuest	Auto	-50dBm	AES	50:11:eb:10:1c:d9	WPA2-PSK	2462MHz	Join Network
Wheelhouse	Auto	-50dBm	AES	50:11:eb:10:1c:d8	WPA2-PSK	2462MHz	Join Network
WheelGuest	Auto	-47dBm	AES	50:11:eb:10:1c:59	WPA2-PSK	2437MHz	Join Network
Wheelhouse	Auto	-45dBm	AES	50:11:eb:10:1c:58	WPA2-PSK	2437MHz	Join Network
SilverNet	Auto	-37dBm	AES	50:11:eb:10:1d:08	WPA2-PSK	2437MHz	Join Network

- Type in your SSID and BSSID if you can't search for the hotspot. Select Encryption Mode and Cipher from the list according to your hotspot configuration. Enter your password and click save & apply.

WLAN

Enable

☒

Work Mode

Client

Scan

SSID

SilverNet

BSSID

50:11:eb:10:1d:08

Encryption Mode

WPA2-PSK

Cipher

AES

Key

.....

...

IP Setting

DHCP Client

Save & Apply

- Go to Status -> WLAN and check the connection status. If the IP address is obtained properly, then the device has successfully joined the Wi-Fi network.

SILVERNET iSITE INDUSTRIAL ROUTER

The screenshot shows the SilverNet iSite Industrial Router web interface. The left sidebar contains a menu with 'Status' selected. The main content area shows the 'WLAN' tab under the 'Network' section. The 'WLAN Status' section displays a table with the following data:

Name	Status	Type	SSID	IP Address	IPv6 Address
WLAN	Connected	Client	SilverNet	192.168.168.64/24	-

Below the 'WLAN Status' section, there is an 'Associated Stations' section with a table showing the following data:

SSID	MAC Address	IP Address	IPv6 Address	Connection Duration
SilverNet	50:11:eb:10:1d:08	192.168.168.2	-	282 seconds

- Go to Network -> Interface -> Link Failover, set WLAN as Main Interface to use Wi-Fi first when connecting to network.

SILVERNET iSITE INDUSTRIAL ROUTER

The screenshot shows the SilverNet iSite Industrial Router web interface. The left sidebar contains a menu with 'Network' selected, and 'Interface' is highlighted. The main content area shows the 'Link Failover' tab. The 'Link Priority' section displays a table with the following data:

Priority	Enable Rule	Link in use	Interface	Connection Type	IP	Operation
1	☒	☐	WLAN	DHCP	192.168.168.64	
2	☒	☒	Cellular-SIM1	DHCP	10.181.21.19	
3	☒	☐	Cellular-SIM2	DHCP	-	
4	☒	☐	WAN	DHCP	-	

Below the 'Link Priority' section, there is a 'Settings' section with the following configuration:

Revert Interval: s

Emergency Reboot: ☐

Save

- Go to Maintenance -> Ping and enter a web URL. Click Ping to see if you can visit Internet.

SILVERNET
iSITE INDUSTRIAL ROUTER

Network

System

Industrial

Maintenance

Tools

Debugger

Log

Upgrade

Backup and Restore

PingTraceroutePacket AnalyzerQxdmlog

IP Ping

Hostwww.silvernet.comPingStop

PING www.silvernet.com (185.151.30.172): 56 data bytes
64 bytes from 185.151.30.172: seq=0 ttl=51 time=66.362 ms
64 bytes from 185.151.30.172: seq=1 ttl=51 time=49.410 ms
64 bytes from 185.151.30.172: seq=2 ttl=51 time=50.739 ms
64 bytes from 185.151.30.172: seq=3 ttl=51 time=53.232 ms
64 bytes from 185.151.30.172: seq=4 ttl=51 time=49.831 ms
64 bytes from 185.151.30.172: seq=5 ttl=51 time=48.472 ms
64 bytes from 185.151.30.172: seq=6 ttl=51 time=46.878 ms
64 bytes from 185.151.30.172: seq=7 ttl=51 time=46.492 ms
64 bytes from 185.151.30.172: seq=8 ttl=51 time=47.227 ms
64 bytes from 185.151.30.172: seq=9 ttl=51 time=49.641 ms
64 bytes from 185.151.30.172: seq=10 ttl=51 time=49.314 ms
64 bytes from 185.151.30.172: seq=11 ttl=51 time=37.686 ms
64 bytes from 185.151.30.172: seq=12 ttl=51 time=39.175 ms
64 bytes from 185.151.30.172: seq=13 ttl=51 time=33.860 ms