

SIEMENS

SINAMICS Smart Adapter Compact Operating Instructions

01/2024

Security information

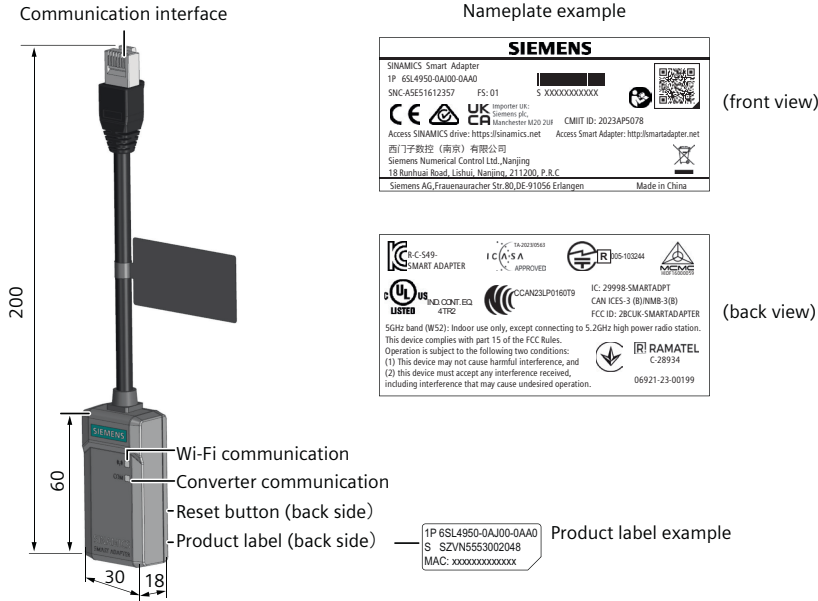
In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. For more information about industrial security, please visit <https://www.siemens.com/global/en/products/automation/topic-areas/industrial-cybersecurity.html>.

Functionality

SINAMICS Smart Adapter allows Wi-Fi-based access to the Web server of a supported drive system from a PC or a mobile device, making it easier to perform drive commissioning, diagnostics, and maintenance. Siemens recommends that you temporarily connect SINAMICS Smart Adapter to the drive for the intended use.

Overview

Article number: 6SL4950-0AJ00-0AA0
Unit: mm



Note:
You can scan the QR code on the label using a standard code scanner or the “Industry Online Support” app to get product data, manuals, declarations of conformity, certificates and other information about your product.

Reset button description

- Resetting Wi-Fi configuration or administrator password
To reset the Wi-Fi configuration to factory settings or reset the administrator password of the Smart Adapter, hold down the button for more than 3 seconds in power-on state until the Wi-Fi communication LED flashes yellow. Disconnect the Smart Adapter from the converter, and then reconnect it to the converter for the change to take effect.
- Restoring firmware version
Proceed as follows to restore the firmware of the Smart Adapter to the factory version:
 - Hold down the reset button in power-off state, and then connect the Smart Adapter to the drive.
 - Keep the button pressed for more than 3 seconds after the connection.



LED description

LED	Status	Description
Drive communication	Solid red	The communication between Smart Adapter and the drive system is not established.
	Solid green	The communication between Smart Adapter and the drive system is established.
Wi-Fi communication	Solid red	The network communication is initializing.
	Solid yellow	The network initialization completes, but Smart Adapter is not connected to a PC or mobile device.
	Solid green	The connection between Smart Adapter and the PC or mobile device is set up. You can open the Web pages now.
	Flashing yellow	Smart Adapter requires a restart because an upgrade completes or the Wi-Fi configuration is modified.
	Alternating flashing red and yellow	Smart Adapter is upgrading.

System requirements

Supported operating systems	Recommended browsers
• Windows • ≥ Mac OS 10.15 • ≥ Apple iOS 12.2 • Android	• ≥ Google Chrome 69.0 • ≥ Microsoft Edge 80.0 • ≥ Opera 56.0

Establishing initial wireless network connection

1. Connect the Smart Adapter to the X127 interface of the supported drive.
2. Activate the Wi-Fi interface inside your PC or mobile device. Make sure that you have enabled the automatic IP settings.
3. Search the wireless SSID of the Smart Adapter: SmartAdapter-xxxxxx. (The “xxxxxx” stands for the last six characters of the Smart Adapter’s MAC address printed on the product label.)
To avoid connecting to unsafe Wi-Fi networks that have the same SSID as your Smart Adapter has, check the properties of the Wi-Fi network and make sure that its MAC address is consistent with the MAC address printed on the product label.
4. Enter the wireless network password to launch the connection (default password: 12345678).
Make sure that the Wi-Fi network of the Smart Adapter is the only network your PC or mobile device connects to; otherwise, the Web server of either the Smart Adapter or the drive may not be accessed via domain names.
5. In a supported browser, enter the Web site (<http://smartadapter.net>).
6. Set the new Wi-Fi and administrator passwords in the pop-up window. The Smart Adapter will restart automatically.
7. Reconnect the wireless network using the new Wi-Fi password.

Note:

To achieve better network security, enter a password of 8 to 20 characters that contains numbers, lowercase and uppercase letters, and special symbols (_ , ~ , ! , @ , # , \$, % , ^ , & , and *).

Smart Adapter passwords

The new passwords must comprise numbers, uppercase and lowercase letters. Special characters are also supported.

Create administrator password

8~20 letters, numbers, symbols.

New Wi-Fi password

8~20 letters, numbers, symbols.

OK

1

2

3

The new Wi-Fi password and the administrator password have been created successfully.

Next steps:

1. Enter the new Wi-Fi password to establish the connection.

2. Refresh the Web page.

Accessing the drive's Web server

After you have established wireless network connection between the Smart Adapter and your PC or mobile device, access the Web server integrated in the connected drive with one of the following two methods:

- Enter the Web site (<https://sinamics.net>) in a supported browser.
- Enter the Web site (<http://smartadapter.net>) and then click "Drive" on the home page of the Smart Adapter.

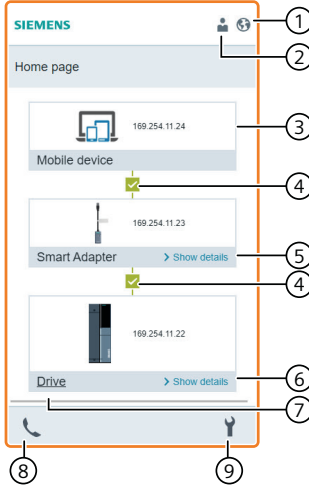
If you are unable to access the Web server or the Wi-Fi connection between your device and the Smart Adapter is unstable, change the IP address of the drive and make sure that the IP address does not fall into the range from 169.254.0.0 to 169.254.255.255.

For more information about the connected drive, refer to the relevant Operating Instructions.

Configuring the Smart Adapter

To configure the Smart Adapter, enter the Web site (<http://smartadapter.net>).

Home page



1 2 3 4 5 6 7 8 9

① Display language selection

② Administrator login

③ Mobile device information display

④ Network connection status indication *

⑤ Viewing Smart Adapter information (device name, article number, and firmware version)

⑥ Viewing drive information (drive name and type)

⑦ Accessing the drive's Web server

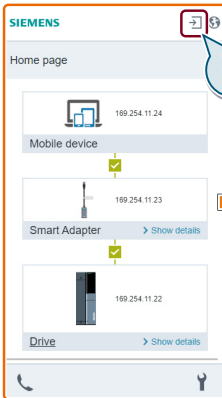
⑧ Viewing support information

⑨ Configuring optional Web access settings

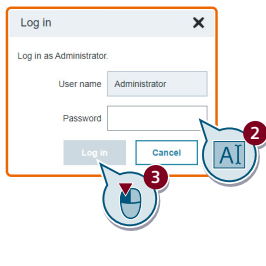
* Reconnect the wireless network of the Smart Adapter if the connection is interrupted.

Configure optional Web access settings (Home page >)

- Logging in as administrator



1



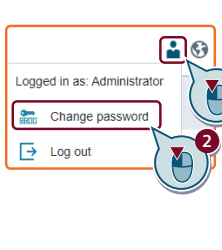
2 3

Note:

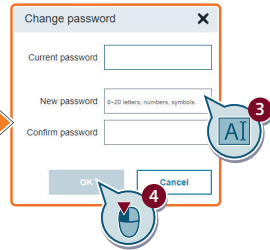
1. To configure optional Web access settings, first log in as an administrator.

2. The Smart Adapter's Web server automatically logs you out after 15 minutes of inactivity.

- Changing administrator password



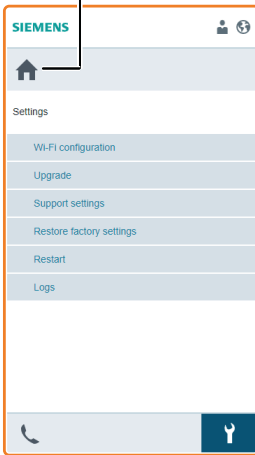
1 2



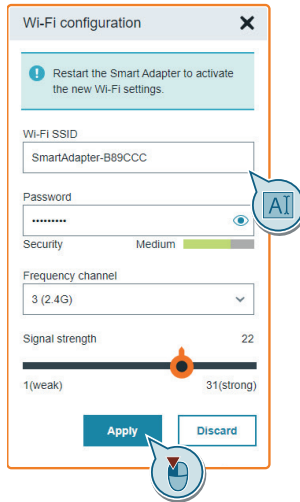
3 4

Settings page

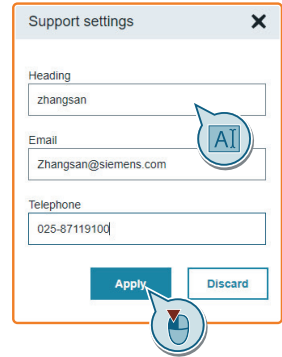
Home page



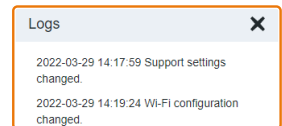
• Configure Wi-Fi settings



• Setting support contact



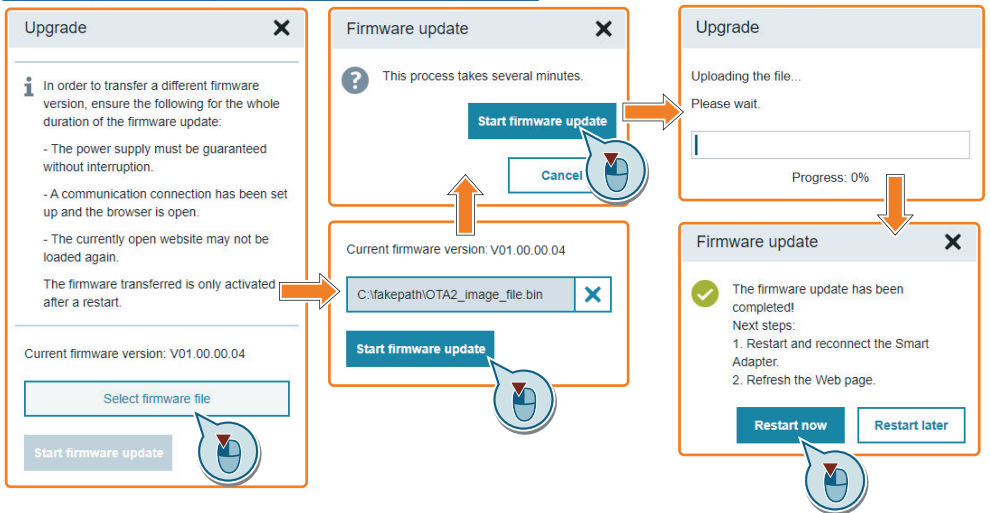
• Viewing event logs



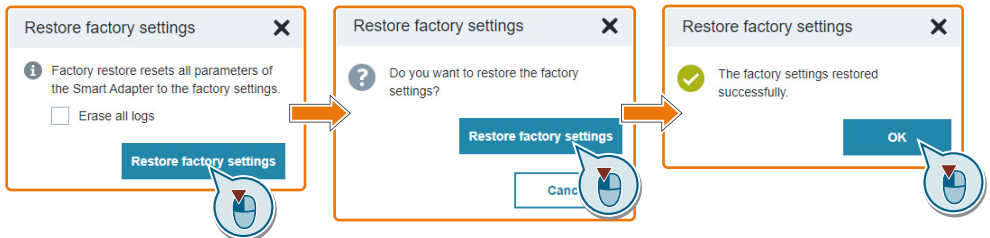
• Performing firmware upgrading

Before upgrading the firmware, download the firmware file from the link:

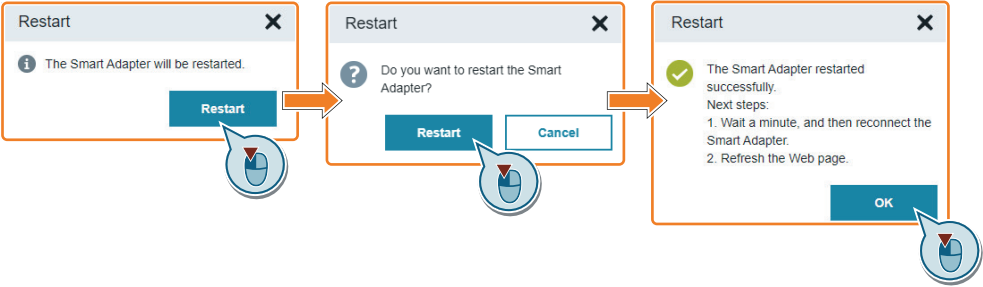
<https://support.industry.siemens.com/cs/ww/en/ps/29713>



• Restoring factory settings



• Restarting



Viewing support information (Home page >)

Support

zs

Email: zhangsan@siemens.com

Telephone: 025-87119100

Links to the Siemens Industry Online Support

> General links

> Product-specific links for SINAMIC...

OK

Technical specifications

Surrounding temperature	Storage and transport	-40 °C ... 70 °C
	Operation	-10 °C ... 40 °C
Relative humidity		< 95%, without condensation
Net weight		31 g
Rated voltage		24 V DC
Wireless technology and frequency range*		2.4 GHz: Wi-Fi 2400 MHz ... 2483.5 MHz; 5 GHz: Wi-Fi 5150 MHz ... 5250 MHz
Wireless modulation type		2.4 GHz: 802.11 b/g/n; 5 GHz: 802.11 a/n
Type of modulation		DSSS (DBPSK, DQPSK, CCK), OFDM (BPSK, QPSK, 16QAM, 64QAM)
Maximum wireless communication distance		50 m
Maximum antenna gain		2.4 GHz: 1.2 dBi; 5 GHz: 1.6 dBi
Maximum radio frequency output power		2.4 GHz: 18 dBm; 5 GHz: 15 dBm
Protection		IP 20/UL Open Type
Shock and vibration		3M1
* The actual frequency range may vary depending upon market.		

Regulatory information

 R-C-S49- SMART ADAPTER	South Korea 이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.
	The United Kingdom The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range.  UK
 ANATEL 06921-23-00199	Brazil This device must not be protected against harmful interference and it may not cause interference in authorized systems (see below for corresponding text in Portuguese): Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.
	United Arab Emirates The device fulfills the requirements for TRA. 
	Australia and New Zealand (RCM formerly C-Tick) The device fulfills the requirements for RCM.
	Ukraine The device fulfills the requirements for UkrCEPRO.
Complies with IMDA Standards DB01752	Singapore The device fulfills the requirements for IMDA.
	「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」 應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。
	Israel מספר אישור התאמה מטעם משרד התקשורת: 51-99862 חל איסור לבצע פעולות במכשיר שיש בהן כדי לשנות את תכונותיו האלחוטיות של המכשיר, ובכלל זה שינויי תוכנה, החלפת אנטנה מקורית או הוספת אפשרות לחיבור לאנטנה חיצונית, בלא קבלת אישור משרד התקשורת, בשל. החשש להפרעות אלחוטיות



Radio Equipment Directive 2014/53/EU

SINAMICS Smart Adapter is in compliance with Radio Equipment Directive 2014/53/EU. The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in the following countries:



BE	BG	CZ	DK	DE	EE	IE	EL	ES
FR	HR	IT	CY	LV	LT	LU	HU	MT
NL	AT	PL	PT	RO	SI	SK	FI	SE
NO	IS	LI	CH	TR	UK(NI)			

You can download the certificate from the following link:

Declaration of conformity (<https://support.industry.siemens.com/cs/ww/en/ps/29713>)

The CE Declaration of Conformity is held on file available to the competent authorities at the following address:

Siemens AG
Digital Industries
Motion Control
Frauenauracher Straße 80
DE-91056 Erlangen
Germany

CMIIT ID: 2023AP5078



Vietnam

The device fulfills the requirements for ICT.



The United States

FCC ID: 2BCUK-SMARTADAPTER

Please note that 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.

This equipment complies with radio frequency exposure limits set forth by the FCC for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

	Canada This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. This equipment complies with radio frequency exposure limits set forth by the Innovation, Science and Economic Development Canada for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders. This device must not be co-located or operating in conjunction with any other antenna or transmitter. Cet équipement est conforme aux limites d'exposition aux radiofréquences définies par la Innovation, Sciences et Développement économique Canada pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le dispositif et l'utilisateur ou des tiers. Ce dispositif ne doit pas être utilisé à proximité d'une autre antenne ou d'un autre émetteur.
--	---

	Thailand เครื่องโทรคมนาคมและอุปกรณ์นี้มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดทางเทคนิคของ กสทช.  กสทช. เครื่องวิทยุคมนาคมนี้ ได้รับยกเว้น ไม่ต้องได้รับใบอนุญาตให้มี ใช้งานเครื่องวิทยุคมนาคม หรือตั้งสถานีวิทยุคมนาคมตามประกาศ กสทช. เรื่อง เครื่องวิทยุคมนาคม และสถานีวิทยุคมนาคมที่ได้รับยกเว้นไม่ต้องได้รับใบอนุญาต วิทยุคมนาคมตามพระราชบัญญัติวิทยุคมนาคม พ.ศ. 2498  กสทช. โทรคมนาคม กำกับดูแลประชาชน Call Center 1200 (InswS)
--	---

	For environmentally-friendly recycling and disposal of your old device, contact a company certified for the disposal of waste electrical and electronic equipment, and dispose of the old device as prescribed in the respective country of use.
--	---

Güvenlik bilgileri

Tesis, sistem, makine ve ağırları siber tehditlerden korumak için, bütüncül, modern bir endüstri güvenliği konseptini uygulamak (ve sürekli devam ettirmek) gerekir. Siemens ürün ve çözümleri, böyle bir konseptin bir unsurunu oluşturur. Endüstri güvenliği hakkında daha fazla bilgi için lütfen <https://www.siemens.com/global/en/products/automation/topic-areas/industrial-cybersecurity.html> adresini ziyaret edin.

Fonksiyon

SINAMICS Smart Adapter, desteklenen bir sürücü sisteminin Web sunucusuna bir PC'den veya mobil cihazdan Wi-Fi tabanlı erişim imkanı sunarak, sürücüyü devreye sokma, teşhis ve bakım işlemlerini gerçekleştirmeyi kolaylaştırır. Siemens, planladığınız kullanım için SINAMICS Smart Adapter'ı kısa süreliğine sürücüyü bağlamanızı önerir.

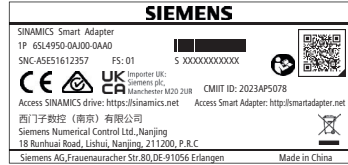
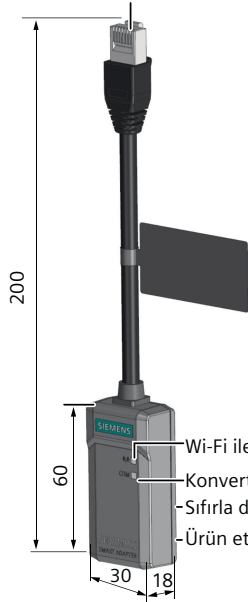
Genel bakış

Sipariş numarası: 6SL4950-0AJ00-0AA0

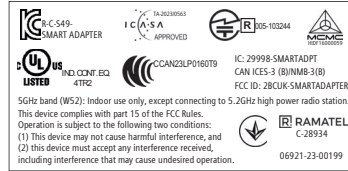
Birim: mm

İletişim arayüzü

İsim plakası örneği



Önden görünüm



Arkadan görünüm

Ürün etiketi örneği

Not:

Etiketdeki QR kodunu taramak için, standart bir kod tarayıcısını veya ürün verilerini, kılavuzları, uygunluk beyanlarını, sertifikaları ve ürününüz hakkındaki diğer bilgileri öğrenmek için "Industry Online Support (Endüstri Çevrimiçi Destek)" uygulamasını kullanabilirsiniz.

Sıfırla düğmesinin açıklaması

- Wi-Fi yapılandırmasını veya yönetici parolasını sıfırlama
Wi-Fi yapılandırmasını fabrika ayarına sıfırlamak veya Smart Adapter'ın yönetici parolasını sıfırlamak için, düğmeyi güç açık durumunda en az 3 saniye, Wi-Fi iletişim LED'i sarı renkte yanıp sönene kadar basılı tutun. Smart Adapter'ı konvertörden ayırın ve sonra değişikliğin devreye girmesi için konvertörü yeniden bağlayın.
- Ürün yazılımı sürümünü geri yüklemek
Smart Adapter'ın ürün yazılımını fabrika sürümüne geri yüklemek için aşağıdaki adımları izleyin:
 - Sıfırla düğmesini güç kapalı durumunda basılı tutun ve sonra Smart Adapter'ı sürücüyü bağlayın.
 - Bağlantıdan sonra düğmeyi en az 3 saniye basılı tutun.

LED açıklaması

LED	Durum	Açıklama
Sürücü iletişimi	Sabit kırmızı	Smart Adapter ile sürücü sistemi arasında iletişim kurulmadı.
	Sabit yeşil	Smart Adapter ile sürücü sistemi arasında iletişim kuruldu.
Wi-Fi iletişimi	Sabit kırmızı	Ağ iletişimi başlatılıyor.
	Sabit sarı	Ağ başlatma tamamlandı, ama Smart Adapter herhangi bir PC'ye veya mobil cihaza bağlı değil.
	Sabit yeşil	Smart Adapter ile PC veya mobil cihaz arasındaki bağlantı ayarlandı. Şimdi Web sayfalarını açabilirsiniz.
	Yanıp sönen sarı	Sürüm yükseltmesi tamamlandığı veya Wi-Fi yapılandırması değiştirildiği için Smart Adapter'ın yeniden başlatılması gerekli.
	Sırayla yanıp sönen kırmızı ve sarı	Smart Adapter sürüm yükseltmesi yapılıyor.

Sistem gereksinimleri

Desteklenen işletim sistemleri	Önerilen tarayıcılar
- Windows ≥ Mac OS 10.15 ≥ Apple iOS 12.2 - Android	≥ Google Chrome 69.0 ≥ Microsoft Edge 80.0 ≥ Opera 56.0

İlk kablosuz ağ bağlantısını oluşturma

- Smart Adapter'ı, desteklenen sürücünün X127 arabirimine bağlayın.
- PC veya mobil cihazınızdaki Wi-Fi arayüzünü etkinleştirin. Otomatik IP ayarlarını etkinleştirdiğinizden emin olun.
- Smart Adapter'ın kablosuz SSID'sini arayın: SmartAdapter-xxxxxx. ("xxxxxx", Smart Adapter'ın ürün etiketinde basılı olan MAC adresinin son altı karakterini gösterir.)
Smart Adapter'ınızla aynı SSID'ye sahip olan güvensiz Wi-Fi ağlarına bağlanmadan kaçınmak için, Wi-Fi ağının özelliklerini kontrol edin ve MAC adresinin ürün etiketinde basılı MAC adresiyle uyumlu olduğundan emin olun.
- Kablosuz ağ şifresini girerek bağlantıyı oluşturun (varsayılan şifre: 12345678).
Smart Adapter'ın Wi-Fi ağının, PC veya mobil cihazınızın bağlandığı tek ağ olduğundan emin olun; yoksa Smart Adapter'ın veya sürücünün Web sunucusuna etki alanı adlarından erişilemeyebilir.
- Desteklenen bir tarayıcıya web sitesini (<http://smartadapter.net>) girin.
- Yeni Wi-Fi'yi ve yönetici parolalarını açılan pencereden ayarlayın. Smart Adapter otomatik olarak yeniden başlar.
- Yeni Wi-Fi parolasını kullanarak kablosuz ağı yeniden bağlayın.

Smart Adapter passwords

The new passwords must comprise numbers, uppercase and lowercase letters. Special characters are also supported.

Create administrator password

8-20 letters, numbers, symbols.

New Wi-Fi password

8-20 letters, numbers, symbols.

OK

1

2

3

The new Wi-Fi password and the administrator password have been created successfully.

Next steps:

1. Enter the new Wi-Fi password to establish the connection.

2. Refresh the Web page.

Not: Daha iyi bir ağ güvenliği elde etmek için, rakamlar, küçük ve büyük harfler ve özel simgeler (_ , ~ , ! , @ , # , \$, % , ^ , & ve *) içeren 8 ila 20 karakterlik bir parola girin.

Sürücünün web sunucusuna erişme

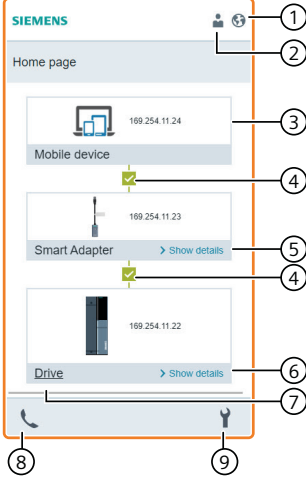
Smart Adapter ile PC'niz veya mobil cihazınız arasında kablosuz bağlantı oluşturduktan sonra, aşağıdaki iki yöntemden birini kullanarak, bağlı sürücüye entegre edilmiş olan Web sunucusuna erişin:

- Desteklenen bir tarayıcıya web sitesini (<https://sinamics.net>) girin.
- Web sitesini (<http://smartadapter.net>) girin ve sonra Smart Adapter'ın ana sayfasındaki "Sürücü" üzerine tıklayın. Web sunucusuna erişemiyorsanız veya cihazınızla Smart Adapter arasındaki Wi-Fi bağlantısı sorunluysa, sürücünün IP adresini değiştirin ve IP adresinin 169.254.0.0 ile 169.254.255.255 arasında olmamasını sağlayın. Bağlı sürücü hakkında daha fazla bilgi için, ilgili Kullanım Talimatlarına bakın.

Smart Adapter'ı yapılandırma

Smart Adapter'ı yapılandırmak için, Web sitesini (<http://smartadapter.net>) girin.

Ana sayfa

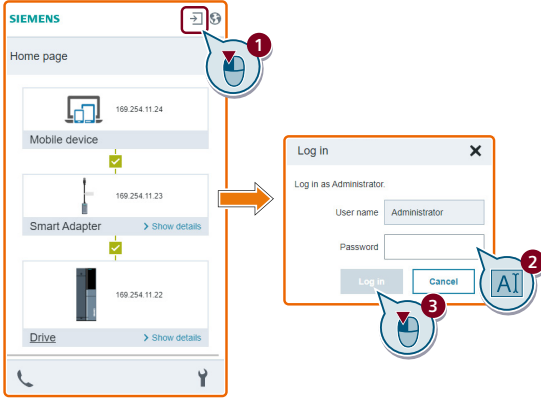


- ① Ekran dili seçimi
- ② Yönetici oturumu
- ③ Mobil cihaz bilgileri ekranı
- ④ Ağ bağlantı durumu göstergesi *
- ⑤ Smart Adapter bilgilerini görüntüleme (cihaz adı, sipariş numarası ve ürün yazılımı sürümü)
- ⑥ Sürücü bilgilerini görüntüleme (sürücü adı ve tipi)
- ⑦ Sürücünün web sunucusuna erişme
- ⑧ Destek bilgilerini görüntüleme
- ⑨ İsteğe bağlı Web erişimi ayarlarını yapılandırma

* Bağlantı kesildiğinde, Smart Adapter'ın kablolu ağını yeniden bağlayın.

İsteğe bağlı Web erişimi ayarlarını yapılandır (Ana sayfa > ⚙)

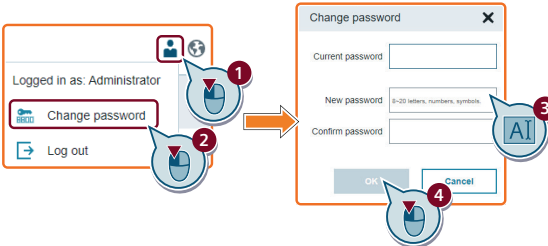
- Yönetici olarak oturum açın



Not:

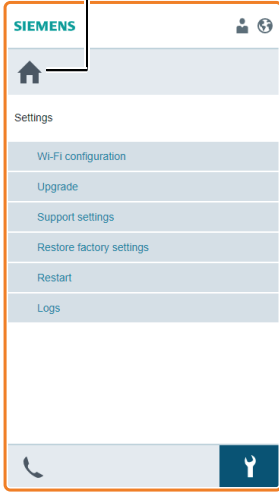
1. İsteğe bağlı Web erişimi ayarlarını yapılandırmak için, önce bir yönetici olarak oturum açın.
2. Smart Adapter'ın Web sunucusu 15 dakika işlem yapılmadığından sonra oturumunuzu otomatik olarak kapatır.

- Yönetici parolasını değiştirme

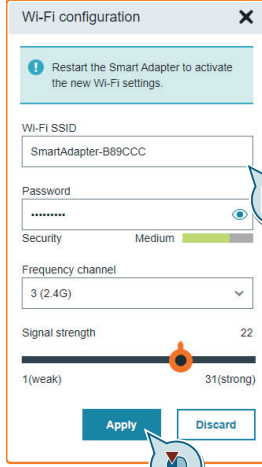


Ayarlar sayfası

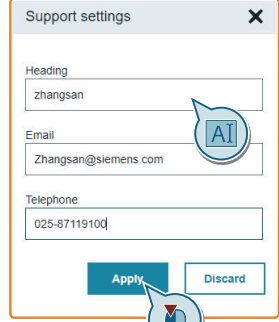
Ana sayfa



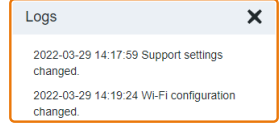
• Wi-Fi ayarlarını yapılandır



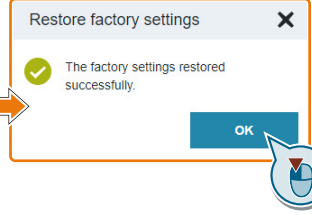
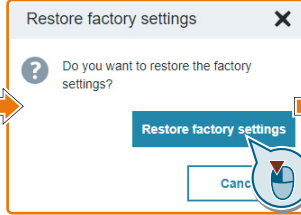
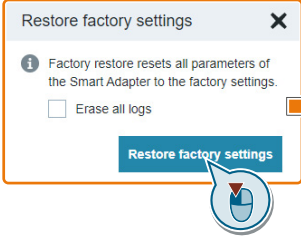
• Destek irtibatını ayarlama



• Olay günlüklerini görüntüleme



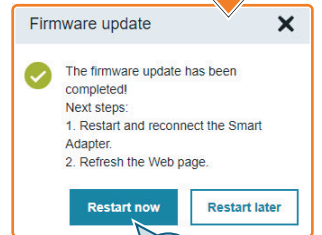
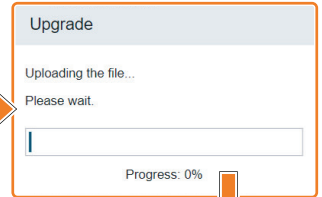
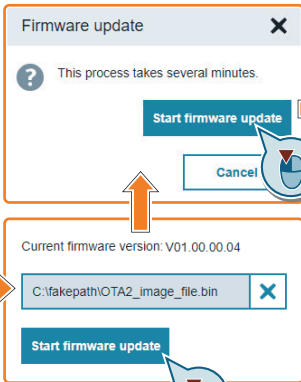
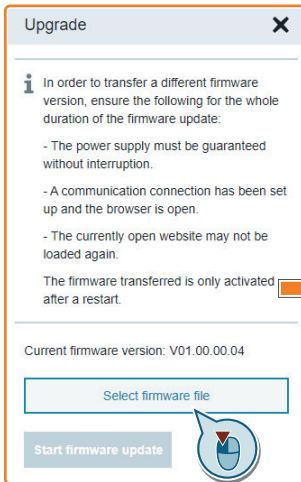
• Fabrika ayarlarını geri yükleme



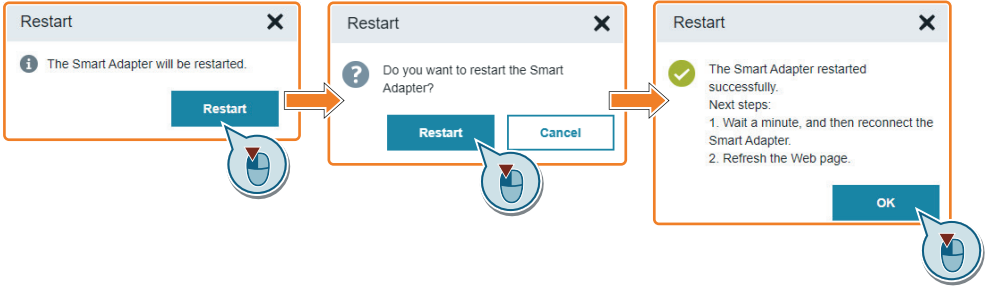
• Ürün yazılımı sürümünü yükseltme

Ürün yazılımı sürümünü yükseltmeden önce, ürün yazılımı dosyasını bağlantıdan indirin:

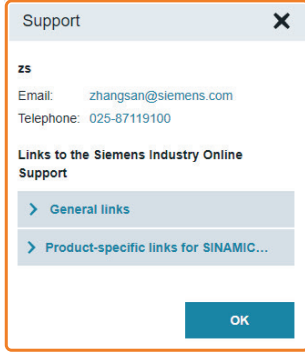
<https://support.industry.siemens.com/cs/ww/en/ps/29713>



• Yeniden başlatma



Destek bilgilerini görüntüleme (Ana sayfa > 📞)



Teknik özellikler

Çevre sıcaklığı	Depolama ve nakliye	-40 °C ... 70 °C
	İşletim	-10 °C ... 40 °C
Bağıl nem	< %95, yoğuşmasız	
Net ağırlık	31 g	
Anma gerilimi	24 V DC	
Kablosuz teknolojisi ve çalışma frekansı*	2.4 GHz: Wi-Fi 2400 MHz ... 2483.5 MHz	
	5 GHz: Wi-Fi 5150 MHz ... 5250 MHz	
Kablosuz modülasyon tipi	2.4 GHz: 802.11 b/g/n; 5 GHz: 802.11 a/n	
Modülasyon tipi	DSSS (DBPSK, DQPSK, CCK), OFDM (BPSK, QPSK, 16QAM, 64QAM)	
Maksimum kablosuz iletişim mesafesi	50 m	
Maksimum anten kazancı	2.4 GHz: 1.2 dBi; 5 GHz: 1.6 dBi	
Maksimum radyo frekans çıkış gücü	2.4 GHz: 18 dBm; 5 GHz: 15 dBm	
Koruma	IP 20/UL Açık Tip	
Darbe ve titreşim	3M1	
* Gerçekte çalışan frekans, pazara göre değişiklik gösterebilir.		

Yönetmelik bilgileri

Ayrıntılı bilgiler için bu belgenin İngilizce sürümüne bakın.

SIEMENS

SINAMICS 智能无线通精简版操作说明

01/2024

安全性信息

为了防止工厂、系统、机器和网络受到网络攻击，需要实施并持续维护先进且全面的工业信息安全保护机制。西门子的产品和解决方案构成此类概念的其中一个要素。有关工业信息安全的更多信息，请访问 <https://www.siemens.com/global/en/products/automation/topic-areas/industrial-cybersecurity.html>。

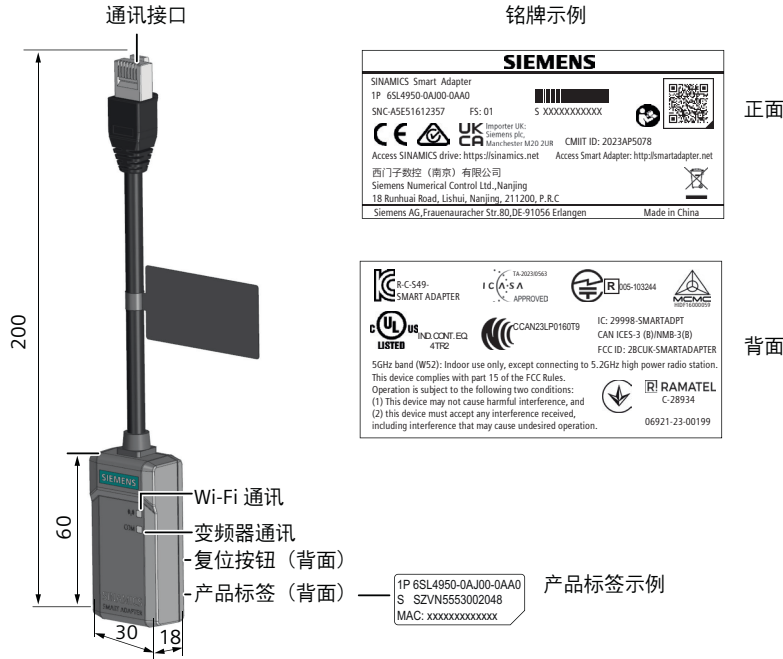
功能

使用 SINAMICS 智能无线通，用户可通过 Wi-Fi 网络从电脑或移动设备访问所支持的驱动系统的网络服务器，从而更方便地进行驱动调试、诊断和维护。西门子建议，仅在需要使用时，短暂连接 SINAMICS 智能无线通和驱动。

概览

订货号：6SL4950-0AJ00-0AA0

单位：mm



说明：
可使用标准扫码装置或使用西门子工业在线支持 App 扫描产品标签上的二维码，获取产品数据、手册、符合性声明、证书和更多信息。

复位按钮说明

- 复位 Wi-Fi 配置或重置管理员密码
如要将智能无线通的 Wi-Fi 配置恢复为出厂设置或重置智能无线通的管理员密码，在上电状态下按住该按钮 3 秒以上，直到 Wi-Fi 通讯 LED 闪烁黄色。断开智能无线通与驱动的连接再重新连上，让变化生效。
- 恢复固件版本
执行以下步骤，将智能无线通的固件恢复为出厂版本：
 - 在断电状态下，按住复位按钮，然后连接智能无线通与驱动。
 - 连接后，继续按住该按钮 3 秒以上。

LED 说明

LED	状态	说明
驱动通讯	红色长亮	智能无线通与驱动系统之间未建立通讯。
	绿色长亮	智能无线通与驱动系统之间已建立通讯。
Wi-Fi 通讯	红色长亮	网络通讯正在初始化。
	黄色长亮	网络初始化已完成，但智能无线通尚未连接到电脑或移动设备。
	绿色长亮	智能无线通与电脑或移动设备之间的连接已建立。现在可以打开网页。
	黄色闪烁	完成升级或修改 Wi-Fi 配置后，需要重启智能无线通。
	红色和黄色交替闪烁	智能无线通正在升级。

系统要求

支持的操作系统	推荐的浏览器
• Windows • ≥ Mac OS 10.15 • ≥ Apple iOS 12.2 • Android	• ≥ Google Chrome 69.0 • ≥ Microsoft Edge 80.0 • ≥ Opera 56.0

首次建立无线网络连接

1. 将智能无线通连接到所支持驱动的 X127 接口上。
2. 启用电脑或移动设备上的 Wi-Fi 接口。确保已启用自动 IP 设置。
3. 找到智能无线通的无线 SSID：SmartAdapter-xxxxxx。（“xxxxxx”代表智能无线通 MAC 地址的末尾六个字符，打印在产品标签上。）
为防止连接到与智能无线通SSID相同的不安全无线网络，连接前请检查无线网络的属性，并确保其 MAC 地址与智能无线通产品标签上的 MAC 地址一致。
4. 输入无线网络密码，启动连接（默认密码：12345678）。
确保智能无线通的无线网络是 PC 或移动设备连接的唯一网络，否则可能无法通过域名访问智能无线通或驱动器的网络服务器。
5. 在支持的浏览器中，输入网址（<http://smartadapter.net>）。
6. 在弹出的窗口中设置新密码，智能无线通将自动重启。
7. 使用新的无线密码重新连接无线网络。



注意：为了增强网络安全性，请输入一个 8 到 20 个字符的密码，包含数字、大小写字母和特殊字符（_、-、~、!、@、#、\$、%、^、&和*）。

访问驱动的网络服务器

在智能无线通与电脑或移动设备之间建立了无线网络连接之后，通过以下其中一种方式，访问集成在所连接驱动中的网络服务器：

- 在支持的浏览器中输入网址（<https://sinamics.net>）。
- 输入网址（<http://smartadapter.net>）并在智能无线通的主页上点击“驱动”。

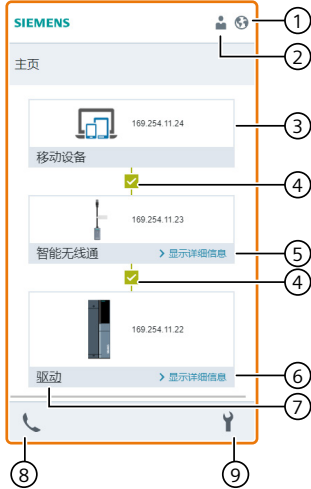
在无法访问网络服务器或设备和智能无线通之间的无线网络连接不稳定时，可以更改驱动器的 IP 地址，确保 IP 地址不在 169.254.0.0 到 169.254.255.255 的区间内。

有关所连接驱动的更多信息，请参见相应的操作说明。

配置智能无线通

如需配置智能无线通，输入网址（<http://smartadapter.net>）。

主页



- ① 显示语言选择
- ② 以管理员身份登录
- ③ 移动设备信息显示
- ④ 网络连接状态显示*
- ⑤ 查看智能无线通的信息（设备名称、订货号和固件版本）
- ⑥ 查看驱动信息（驱动名称和型号）
- ⑦ 访问驱动的网络服务器
- ⑧ 查看服务支持信息
- ⑨ 可选的网页访问设置

* 如果连接中断，重新连接智能无线通的无线网络。

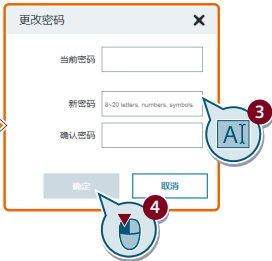
可选的网页访问设置（主页 > 设置）

- 以管理员身份登录



- 说明：
- 1. 如需设置智能无线通的可选网页访问配置，先以管理员身份登录。
 - 2. 如果超过 15 分钟没有执行任何操作，您将自动登出智能无线通的网络服务器。

- 修改管理员密码

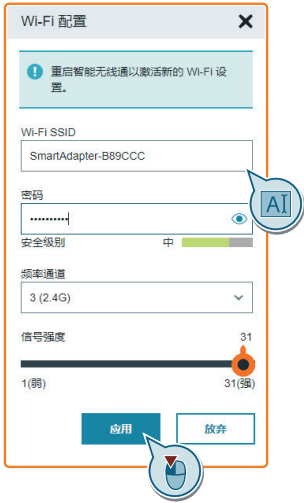


设置页面

主页



• Wi-Fi 配置



• 设置技术支持联系人



• 查看事件日志

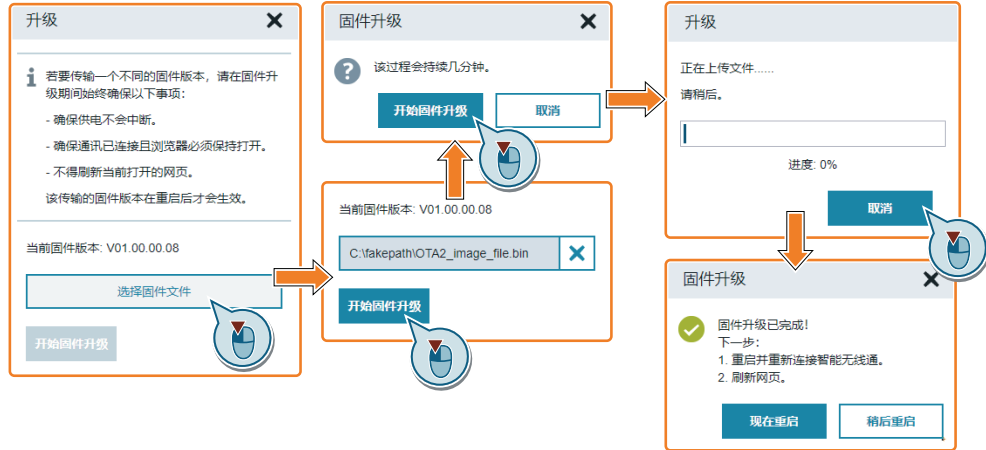


• 恢复出厂设置



• 升级固件

升级固件之前，要先从以下链接下载固件文件：<https://support.industry.siemens.com/cs/ww/en/ps/29713>



• 重启



查看服务支持信息（主页 > ）

支持

zhangsan

电子邮件: zhangsan@siemens.com

电话: 025-87119100

西门子工业在线支持链接

> 通用链接

> SINAMICS智能无线通产品链接

确定

技术数据

环境温度	存储和运输：-40 °C ... 70 °C；运行：-10 °C ... 40 °C
相对湿度	< 95%，无凝露
净重	31 g
额定电压	24 V DC
无线技术和工作频率 *	2.4 GHz: Wi-Fi 2400 MHz ... 2483.5 MHz
	5 GHz: Wi-Fi 5150 MHz ... 5250 MHz
无线调制制式	2.4 GHz: 802.11 b/g/n; 5 GHz: 802.11 a/n
调制类型	DSSS (DBPSK, DQPSK, CCK), OFDM (BPSK, QPSK, 16QAM, 64QAM)
无线通讯最远距离	50 m
最大天线增益	2.4 GHz: 1.2 dBi; 5 GHz: 1.6 dBi
最大射频输出功率	2.4 GHz: 18 dBm; 5 GHz: 15 dBm
保护	IP 20/UL 开放式
冲击和振动	3M1
* 实际的工作频率在不同的市场上可能不同。	

认证信息

详情参见英文版 SINAMICS 智能无线通精简版操作说明。