SIEMENS

WLAN stick

POL903.00/100

Temporary WLAN interface for POS controllers, POL controllers, and DXR controllers during commissioning and service. Allows the controller to be configured and programmed via smartphone or tablet.
Apps such as Climatix smart HMI or ABTGo cut down on programming time, configuration time, and commissioning time.

The POL903.00/100 and this Data Sheet are intended for original equipment manufacturers (OEMs) using the POL903.00/100 in or on their products.

Use

The POL903.00/100 can be used with all Siemens controllers that have a compatible USB interface.

The following Siemens controllers with a compatible USB interface are available:

Type	Data sheet
Climatix C400	A6V11276159
Climatix C600	A6V10990076
Climatix S300	A6V11417931
Actuating DXR1	A6V11393935, A6V11393929, A6V11393931, A6V11393933

The respective data sheets clearly define the controller versions that are compatible with POL903.00/100.

Warning notes

To avoid personal injury or damage to property or the environment, the following warning notes must be observed.

Interventions and changes are strictly forbidden.

Siemens does not assume responsibility for damage resulting from unauthorized interventions.

- All activities (mounting, installation, service work, etc.) must be performed by qualified staff
- The WLAN stick is designed as a temporary maintenance solution and is not intended for continuous operation

To ensure safe and reliable operation of the unit, the following points must also be observed:

- Avoid condensation and damp environments.
  If such conditions do occur, ensure that the POL903.00/100 is completely dry before reconnecting the power supply.
- Electrostatic charges must be avoided since they can damage the electronic components of the POL903.00/100 on contact
- The WLAN stick is only intended for use with the controllers listed in this data sheet and is not designed to function as a standard WLAN stick for a standard PC
- When using the WLAN stick in an environment with strong vibrations, it is essential to ensure that the mechanical connection to the USB interface is not interrupted (for example, through the use of a connecting cable)

Warning!
Use with controllers!
When using with controllers that do not have protective housing or with controllers that have a galvanic connection to the mains, there is a risk of electric shock.

Standards and certificates

Applied directives:

• Radio Equipment Directive	RED 2014/53/EU
• Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment	RoHS 2011/65/EU

Compliance with the regulations of the applied directives is verified by the adherence to the following standards/regulations:

• Wideband transmission systems – Data transmission equipment	ETSI EN 300 328
• Electromagnetic compatibility for radio equipment and services	EN ETSI 301 489-1/-17
• General RF Exposure Guidance	KDB 447498 D01
• Information technology equipment – Immunity characteristics – Limits and methods of measurement	EN 55024+A1
• Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements	EN 55032
• Evaluation of electrical and electronic equipment in relation to restricting human exposure to electromagnetic fields (0 Hz to 300 GHz)	EN 62311
• Federal Communications Commission – Operation within the bandwidths of 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz	FCC Part 15, Subpart C, 15.247 (USA) and RSS 210, Issue 8 (CAN)
• Information technology devices – Safety – Part 1: General requirements	IEC 60950-1 Ed.2 Amd.2
• Information technology equipment – Safety – Part 1: General requirements	EN 60950-1/A2
• Audio/video, information and communication technology equipment – Part 1: Safety requirements	IEC/EN 62368-1

The edition of the standards that applies in each case can be found in the declaration of conformity.

EAC Conformity (Eurasian Conformity)

ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007

China RoHS
Hazardous substances table:
http://www.siemens.com/download?A6V10883536

RED declaration

Frequency band: 2,400 MHz
Max. transmission power: 14.15 dBm

Simplified EU Declaration of Conformity

Hereby, Siemens Switzerland Ltd declares that the radio equipment type POL903.00/100 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
http://www.siemens.com/download?A5W00082967A-001

FCC statement

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 device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation

FCC Caution!
Changes or modifications not expressly approved by Siemens Switzerland Ltd. could void the user's authority to operate the equipment. United States representative
https://new.siemens.com/us/en/products/buildingtechnologies/home.html

Industry Canada statement

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions:

- This device may not cause interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Radiofrequency radiation exposure statement

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

Open-source software (OSS) declaration

Note to sales partners:
Please pass this document on to your customers to avoid copyright license infringements.

Information on third-party software:
This product, solution, or service (product) contains the third-party software components listed below. These include either open-source software licensed under a license recognized by the Open Source Initiative (www.opensource.org) or a license (OSS) defined by Siemens as comparable, and/or commercial software or freeware. With regard to the OSS components, the relevant OSS license conditions take priority over all other conditions applicable to this product. SIEMENS will provide you with the OSS part of this product at no additional cost.

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The warranty obligations of SIEMENS are regulated in the respective contract with SIEMENS. If you modify the product or the OSS components or use them in a manner other than that specified by SIEMENS, the warranty is excluded and no technical support is provided. The following license terms may contain limitations of liability that apply between you and the respective licensor. For the avoidance of doubt, SIEMENS makes no warranty obligations on behalf of or binding on any third-party licensor.

All open-source software components used within the product (including their copyright holders and the license conditions) can be found on the website at:
http://www.siemens.com/download?A6V12082384

Disposal notes

The WLAN stick contains electrical and electronic components and must not be disposed of together with domestic waste.
Local and currently valid legislation must be complied with.

Type summary

Article no.	Type
S55803-Y130-A100	POL903.00/100

Technical data

General unit data

Supply voltage (rated voltage)	5 V DC ±10%
Current consumption	Typically 120 mA Max. 200 mA
Degree of protection	IP30
Safety class	III
Degree of pollution	3
WLAN modes	IEEE802.11g and b
Mounting position	Optional
Dimensions (L x W x H)	67.5 mm x 22 mm x 10 mm
Cable length between POL903.00/100 WLAN stick and controller	Max. 2.5 m
Weight	10 g

Environmental conditions

Storage	DIN EN 60721-3-1
Climatic conditions	Class 1K3
Mechanical conditions	Class 1M2
Temperature range	-40°C to +60°C
Humidity	<90% r.h. (non-condensing)
Transport	DIN EN 60068-2 and EN 60721-3-2
Climatic conditions	Class 2K2
Mechanical conditions	Class 2M2
Temperature range	-40°C to +80°C
Humidity	5% to 90% r.h. (non-condensing)
Operation	DIN EN 60721-3-3
Climatic conditions	Class 3K3
Mechanical conditions	Class 3M2
Temperature range	-15°C to +60°C
Humidity	<90% r.h. (non-condensing)
Installation altitude	Max. 2,000 m above sea level

Please note!
Condensation, formation of ice, and ingress of water are not permitted.

LED signaling

Color code	Status / Parameter
Green	Initialization
Green, flashing slowly	Normal operating status
Green, flashing quickly	Communication
Red, flashing	While saving a new configuration or during a firmware upgrade
Red	Fault status

Reset button

To reset the WLAN stick to its factory settings, press and hold the reset button for 3 seconds while the WLAN stick is active.

A red flashing LED signals the reset process.

Handling

Connect the WLAN stick to a USB port. Wait until the LED flashes green. The connection between the terminal unit (notebook, cell phone, etc.) and the WLAN network (SSID „Siemens-WLAN-Stick“) is established.

Relevant data for commissioning:

- SSID: Siemens-WLAN-Stick
- Password for the terminal unit: SIBPAdmin
- DNS name: siemens.wlanstick

Siemens AG recommends changing the password as part of the commissioning process.
Changes to all settings can be made via the web interface as required.

Connecting with the web interface for configuration

The IP address is issued automatically via DHCP.
The default IP address of the WLAN stick is 10.123.45.1.

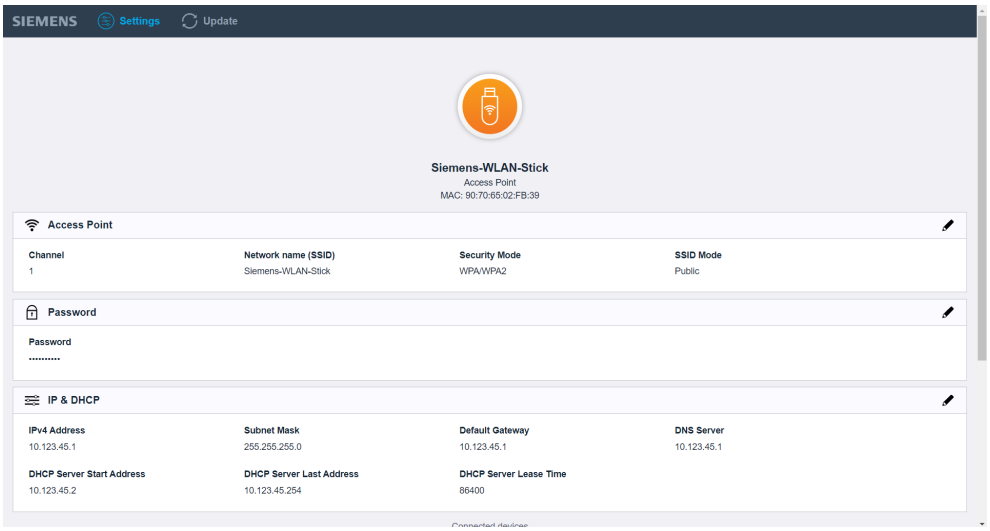
The WLAN stick has an integrated DNS server and can be reached under the name “siemens.wlanstick” regardless of its IP address.

The following URLs are available for the web interface to configure the WLAN stick:

- http://10.123.45.1:8080
- http://siemens.wlanstick:8080
- https://10.123.45.1:441
- https://siemens.wlanstick:441

➢ **Settings** menu item

The settings for the WLAN stick can be made under **Settings**.
The overview page displays the current settings.
Individual settings can be changed by clicking on the pencil (edit) icon.



The settings for the WLAN network are made in the **Access Point** tab:

- **Channel**: Channel for the WLAN network
- **Network Name (SSID)**: SSID for the WLAN network
- **Security Mode**: The chosen WLAN encryption technology
- **SSID Mode**: Encryption of the SSID

The WLAN password can be changed in the **Password** tab.

The **IP & DHCP** tab includes details of the current network settings, such as

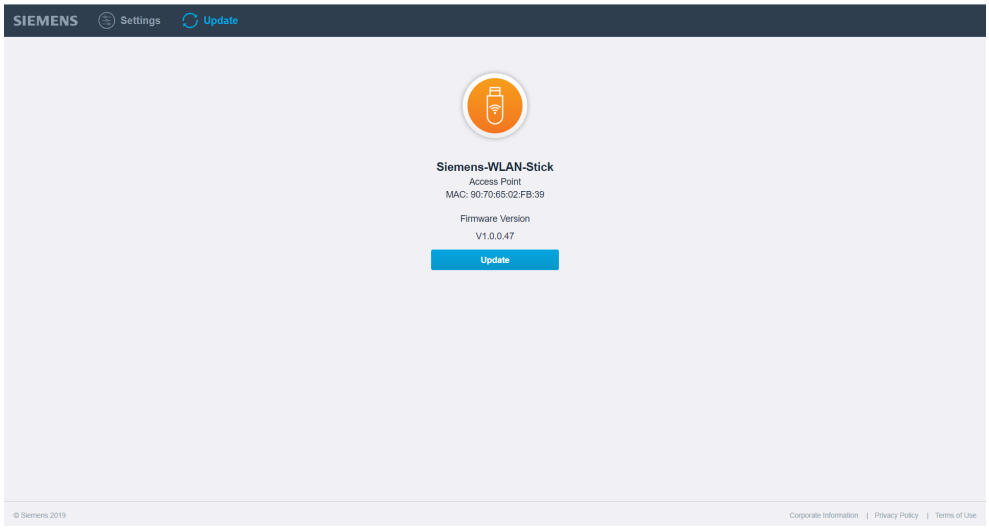
- IP address
- Subnet mask
- Gateway
- DNS server

The **IP & DHCP** tab contains the settings for the integrated DHCP server for assigning IP addresses to connected WLAN clients.

Firmware update

➢ **Update** menu item

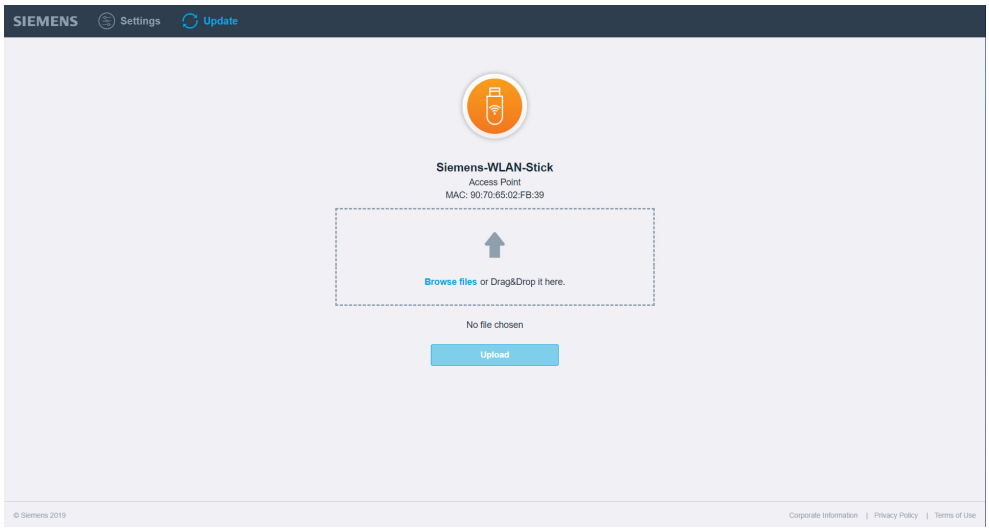
The WLAN stick firmware is updated under **Update**.



The following options for updating the WLAN stick are available:

- Use the mouse to drag the firmware file directly from your PC into the **Browse files or Drag&Drop it here** field
- Click in the **Browse files or Drag&Drop it here** field and select the firmware file from your PC

Click on the **Update** button to update the file.



Connecting with the web interface of a connected controller

When using a Climatix controller, the web interface of the controller can be accessed directly. The web interface (URL http://10.123.45.1) is directly available in the default settings without having to specify a particular port.

Connection diagram

Attention!
The POL903.00/100 must be connected to the controller as shown in the following figures.

Note!
Cable length between POL903.00/100 WLAN stick and controller!
If the POL903.00/100 WLAN stick is not connected to the controller by a cable rather than being inserted directly, the cable must be shielded and no longer than 2.5 meters.

Dimensions

Dimensions in mm

POL903.00/100