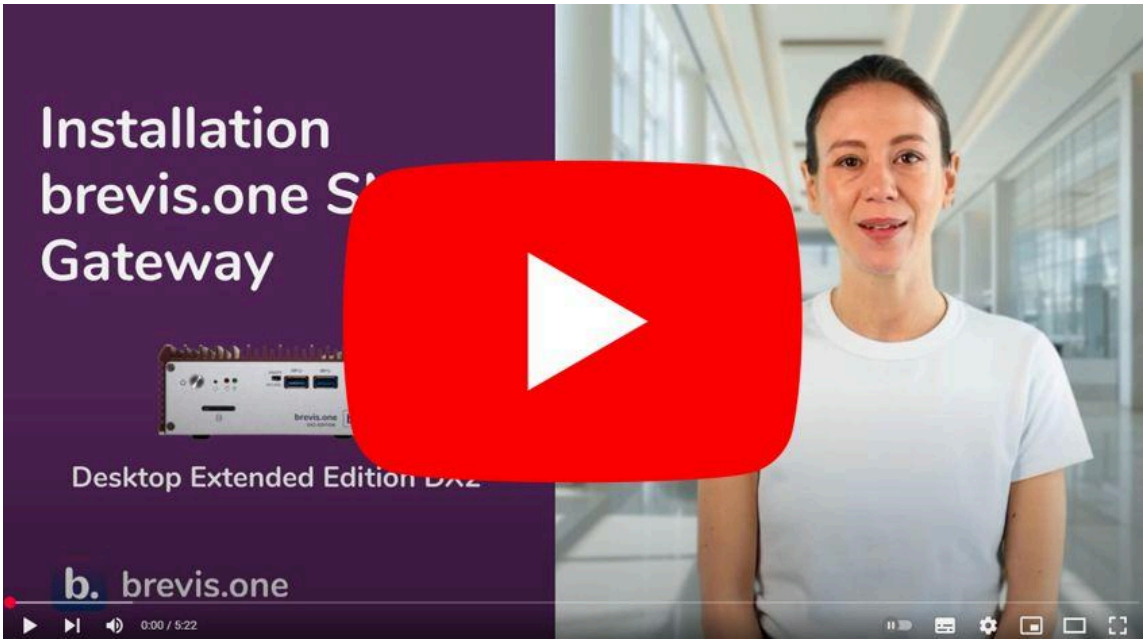
Desktop Edition Extended DX2

Quick Start Guide

Video tutorial

(you will be redirected to YouTube - only available in german)

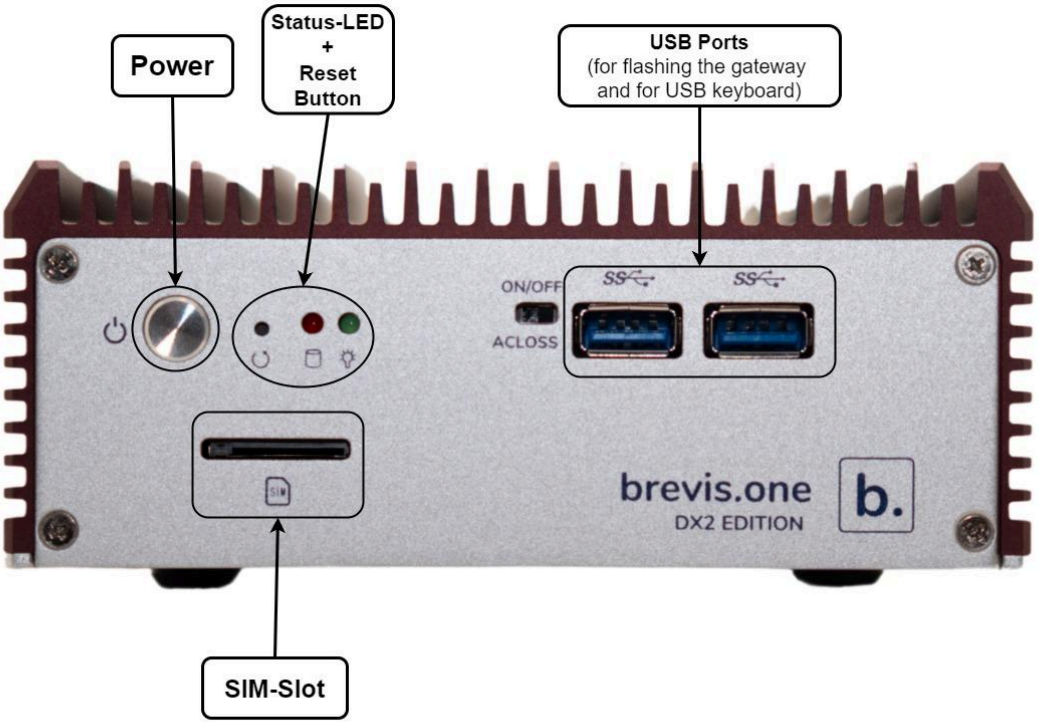


Scope of delivery

- brevis.one SMS Gateway - DX2 Edition
- Power supply unit
- Console cable USB-A to DB9
- Antenna
- Power Connector
- Wall mounting rails

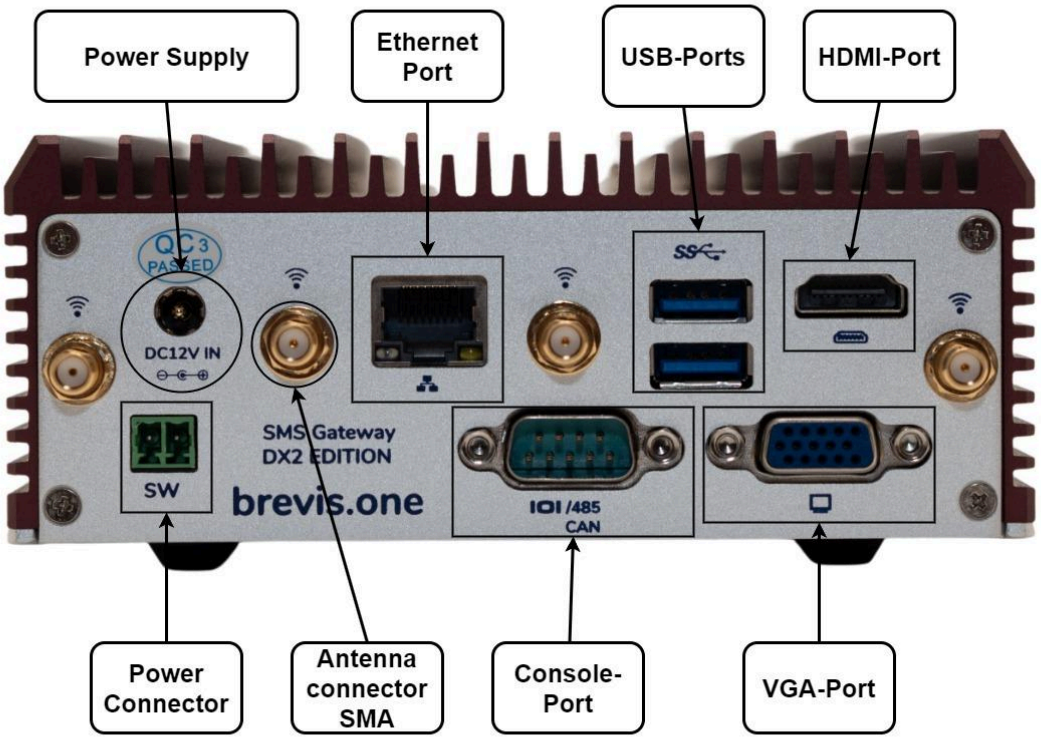
brevis.one SMS Gateway

Front:



brevis.one SMS Gateway

Back:



1. Insert the SIM card

IMPORTANT: Before inserting the SIM card, remove the PIN from the SIM card and disconnect the gateway from the power supply (unplug the power cable). Wait two minutes until the capacitors have discharged and insert the SIM card. This also applies if you are replacing the SIM card! Check that the SIM is correctly engaged. A clicking sound must be audible.

- Insert the SIM card (Standard SIM).
- The SIM card symbol on the cover is an example. The insertion direction is determined by the cut-off corner.

2. Attach the antenna

- Screw the antenna onto the SMA connector.

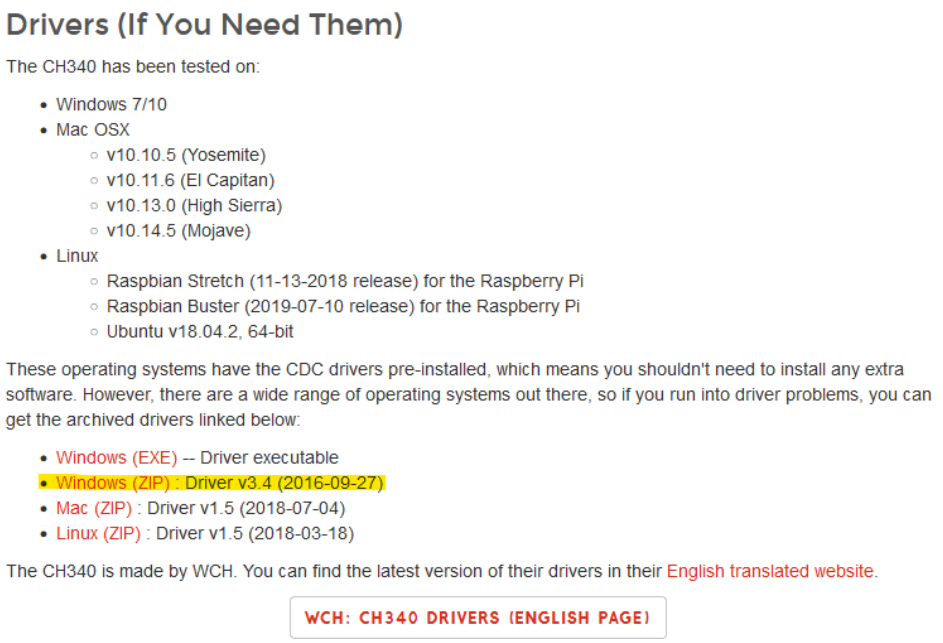
3. Connecting the network and console cable

- Connect an RJ-45 network cable. Please use the Ethernet port ETH1.

- Connect the console cable to the serial port to establish a connection via PUTTY.

- You can also connect a monitor (HDMI or VGA port) and a USB keyboard to access the console.

- **Important:** Under Windows, the current driver for USB-SERIAL CH340 (as of 19.11.2024) of the console cable can cause problems. If you receive “Error 31” in PuTTY, you can use the “Xshell” program if it is available to you. Alternatively, uninstall the driver and use version 3.4.2014.8 from 08.08.2014.
  You can find the driver at (yellow marked file)
  https://learn.sparkfun.com/tutorials/how-to-install-ch340-drivers/all



Drivers (If You Need Them)

The CH340 has been tested on:

- Windows 7/10
- Mac OSX
  - v10.10.5 (Yosemite)
  - v10.11.6 (El Capitan)
  - v10.13.0 (High Sierra)
  - v10.14.5 (Mojave)
- Linux
  - Raspbian Stretch (11-13-2018 release) for the Raspberry Pi
  - Raspbian Buster (2019-07-10 release) for the Raspberry Pi
  - Ubuntu v18.04.2, 64-bit

These operating systems have the CDC drivers pre-installed, which means you shouldn't need to install any extra software. However, there are a wide range of operating systems out there, so if you run into driver problems, you can get the archived drivers linked below:

- Windows (EXE) -- Driver executable
- Windows (ZIP) : Driver v3.4 (2016-09-27)
- Mac (ZIP) : Driver v1.5 (2018-07-04)
- Linux (ZIP) : Driver v1.5 (2018-03-18)

The CH340 is made by WCH. You can find the latest version of their drivers in their English translated website.

WCH: CH340 DRIVERS (ENGLISH PAGE)

4. Connecting the power cable

- Connect the power cable to the device. Then press the power button and the gateway will start up. You should hear a beep.

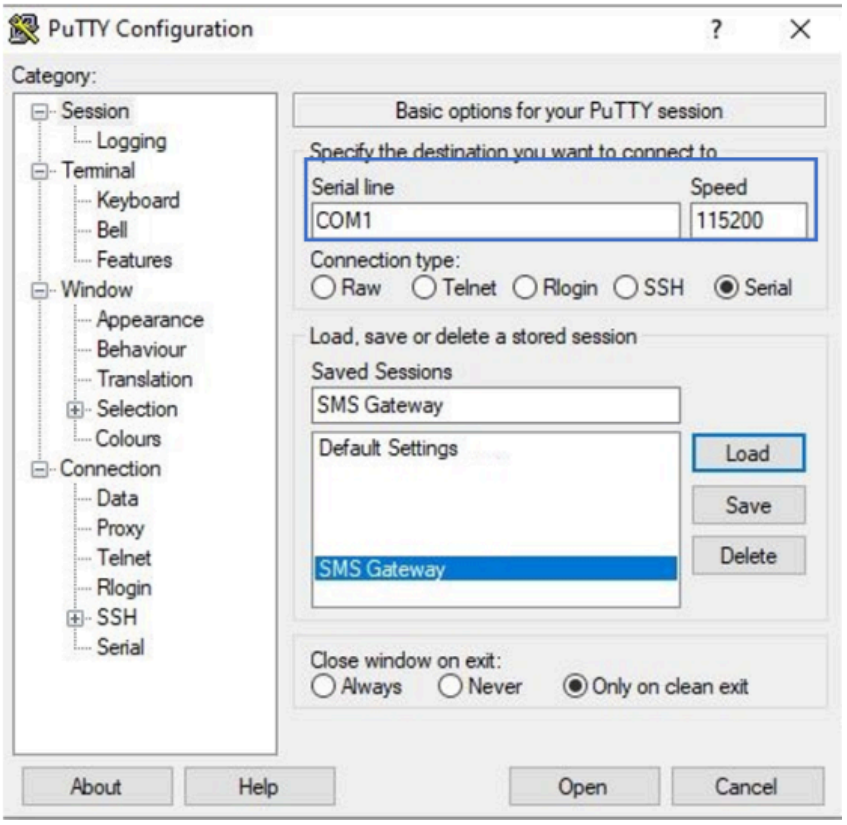
- **Important:** In the event of a power failure or if the gateway is shut down via the web interface, the power button MUST be pressed to switch it back on. **Please take this into account when choosing the installation location.**

5. Network configuration

- If your network has a DHCP server, the DX2 Edition can be assigned an IP address. If DHCP is not available, the device starts with the default IP: 192.168.1.1

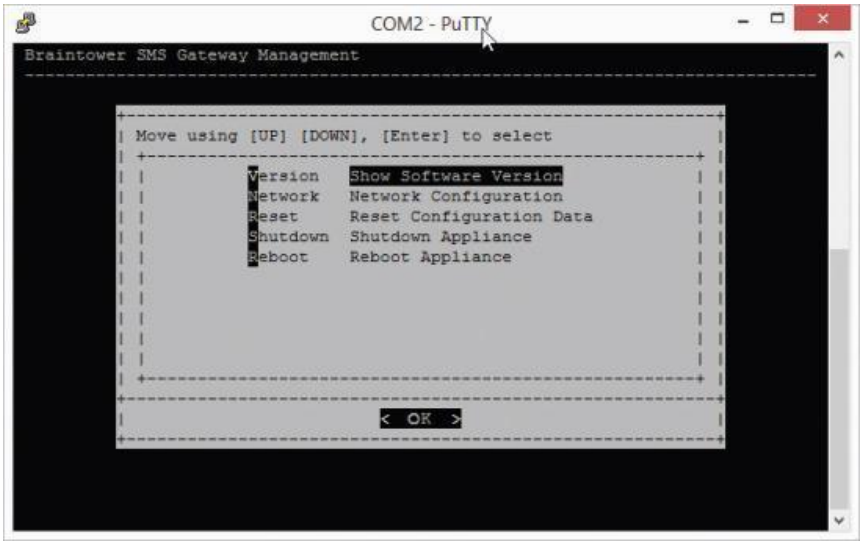
- If you do not know the IP address assigned by DHCP, you have the option of querying it via the Console RS232 port. To do this, connect your PC to the gateway using a terminal program (e.g. PUTTY) and the console cable. Alternatively, you can use a monitor (HDMI or VGA connection) and a USB keyboard.

- The speed of the interface is 115200 baud (8N1).



- Click on *Open* and press Enter.

- A text-based interface appears in which the current version number of the gateway and the IP address are displayed under the Version menu item. The IP address can be changed according to your requirements under the Network menu item.

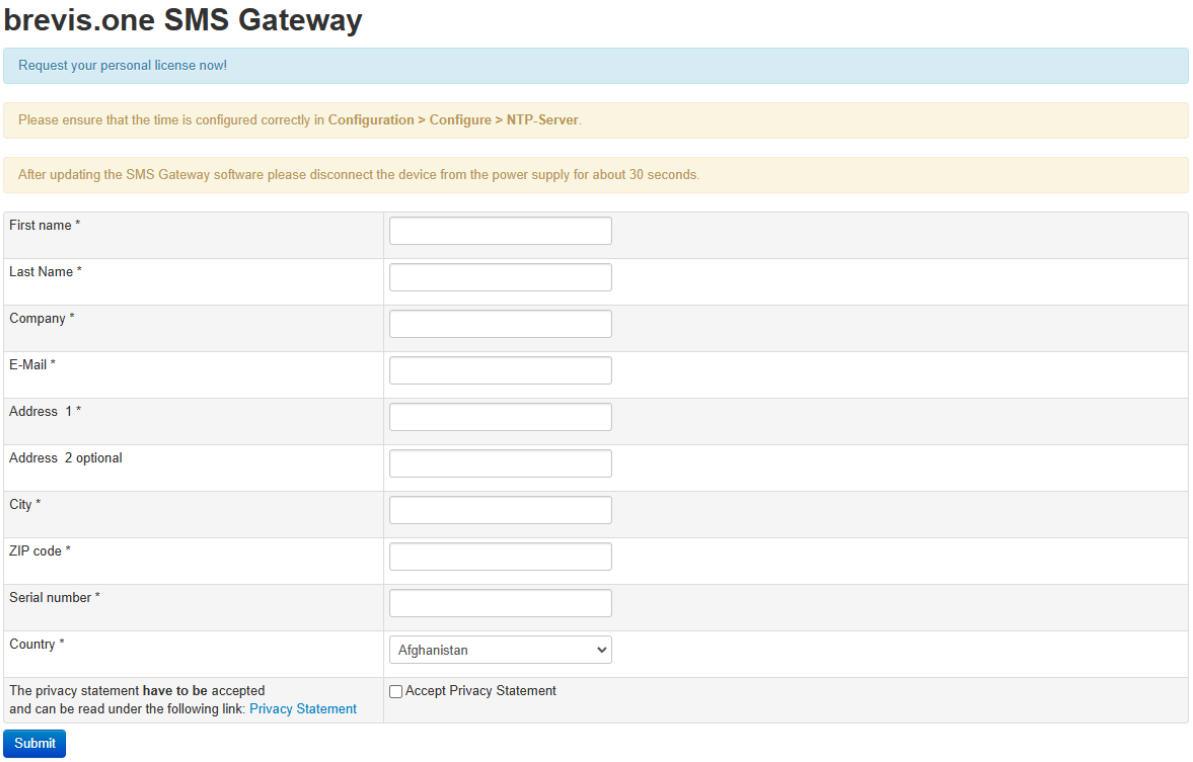


- If you create the network settings via the serial console, these are only temporary and will be lost after a restart of the gateway.

- Permanently setting the network settings must be done in the web interface (Configuration -> Network).

- You can now access the web interface via the IP address.
  Log in with the following details:
  Username: **admin**
  Password: **admin**

6. Licensing



- After logging in to the web interface, you must request a license for your gateway. As long as this process has not been successfully completed, you will always be prompted to do so after logging in.

- Please fill out the form and click on the Request button. You will find the serial number on your gateway (Where can I find the serial number of my SMS Gateway?).

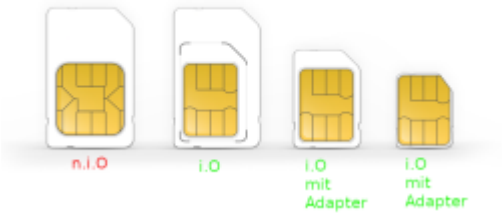
- You will then receive a licensing request, which you should forward to the service desk (https://brevis.one/en/licreq-en/).

- Once your request has been processed by our licensing team, you will receive a license file which you should upload to the SMS Gateway at this point.

7. SIM-Card

IMPORTANT: Please remove the PIN from the SIM card before inserting it! We recommend not using a PIN to avoid problems with sending text messages.

NOTE: Please set the corresponding APN entry (Access Point Name) to match your SIM card under “Status -> Modem status”. In rare cases, a missing APN can lead to connection problems.



Usable SIM cards

8. Sending a test message

- Enter the IP in your browser and log in again.
- Select the sub-item “Send to number” under the SMS menu option.
- On the following screen, you can send an SMS by entering a phone number and a message.
- For further assistance, please refer to the Help menu item.

9. Set the Gateway to “Always On”

- If you want to set your device to “Always On,” you’ll need to change a setting in the BIOS.
- Shut down the device and connect a monitor and a USB keyboard.
- Start up the device and press the “Del” key on the keyboard.
- Use the arrow keys to navigate to “Advanced”.
- Go to “Miscellaneous Configuration”.
- Then go to “Restore AC Power Loss”.
- Here, you can set it to “Always On”.
- Remember to save the configuration.
- Exit the BIOS screen and let the device boot up.

10. Who can I ask if I need support?

Please visit our documentation on our website:
https://docs.brevis.one/current/en/Content/Home.htm

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