

Industrial 4G modem/SMS alarm dialler

Connected to applications in the field



Industrial 4G modem/SMS alarm dialler

Connected to applications in the field

Access to PLCs outside the company network

Modems are deployed in the industry to connect local technical systems with a central process computer. This process computer operates and reads out those local processes. You will always be connected to your applications in the field via the SVM 4G modem. The SVM's unique 'auto log on' concept means that the often complex 4G connection technology is simplified to the level of standard modem technology.



Advantages

- ✓ Ability to control and monitor your technical systems
- ✓ Combined 4G internet modem and SMS alarm dialler
- ✓ 'Steady Connect' for extremely stable connections
- ✓ Connection with SCADA via 4G and/or fixed Ethernet (double certainty)
- ✓ Power failure reporting via emergency power supply

LTE-M: 4G for Machine-2-Machine

This SVM 4G uses the LTE-M (in full: LTE Cat-M1) band of the 4G network especially for Internet of Things (IoT) applications. In comparison with other solutions, LTE-M has a number of strong advantages:

- ✓ Very good cover including in buildings
- ✓ Supports texting by SMS
- ✓ Broad bandwidth for sending and receiving data
- ✓ Limited delay between sending and receiving data (latency)

Select the right SIM

Selecting the right SIM is very important to ensure that our equipment operates correctly and safely. A non-activated SIM card can be supplied with the SVM. Visit our website for more information about this.

Configuration program

You can easily configure the SVM 4G modem using a PC or laptop. Use the free SV-prog software for this (see www.adesys.nl/en/service/downloads). SV-prog gives you a clear overview of the configuration options.

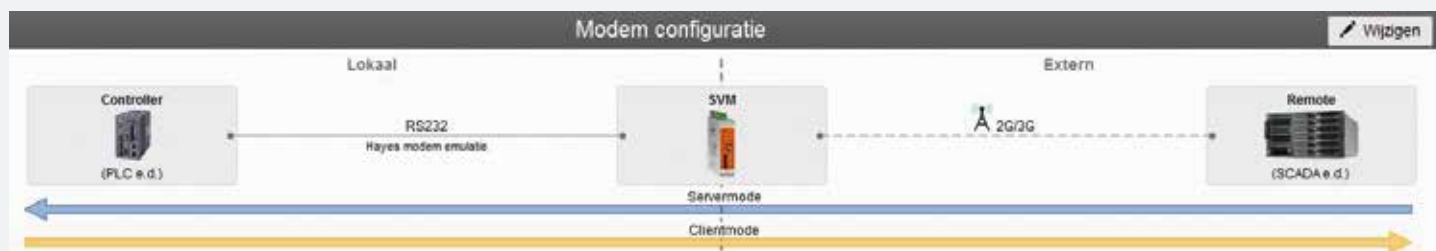


Link operating systems such as PLCs to SCADA

The SVM is the right product for simply changing existing dialled modem connections to 4G and/or Ethernet. You do not need to adjust the PLC because the SVM processes existing modem commands and builds up a stable internet connection.

Once the modem has been connected, it will read in the data from the PLC via the RS232 or UTP port and it will pass on the data to a SCADA application via the 4G network and/or fixed Ethernet. By using both connections, double certainty is created.

If you connect any alarm contacts that are present to the SVM inputs, it will also be an alarm dialler with SMS alerting.



Specifications

System properties

Input/output options (differences per SVA model)	Article number	Contact inputs
	SVA2000-I	2
	SVA4002-I	4
	SVA8000-I	8
Communication port	10/100mbit RJ45 for setting with a PC RS232 for serial connection with controller / PLC	
Supply voltage	15 - 35VDC / max 8.5W 20 - 30VAC / max 18VA	
Built-in emergency power supply	Supercap (charged after a few minutes) so that you can still report in the event of a power failure	
Mobile network	GSM/GPRS/EDGE 850/900/1800/1900MHz (Quadband) Global-band FDD-LTE B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28/B39 (B39 Cat-M1 only)	

Enclosure and operating conditions

Enclosure	DIN-rail (TS35)
Dimensions (W x H x D)	23 x 95 x 102 (mm)
Weight	125gr
Operating temperature	-20°C ... +50°C
Air humidity	20 - 85 % (not condensed)

Alert functions

Alert types	<ul style="list-style-type: none">SMS and/or IP message to serverPower failure reporting
Number of call opportunities	3 call lists with 8 call possibilities (phone number or Email address)

Note: The specifications mentioned are subject to change. No rights can be derived from it. For product variants contact Adésys.

Also available in this SV-product line:



SVA Alarm dialler



SVL Weblogger