



# SMSEAGLE NXS-9700-3G

Rev. 2

Tech datasheet



## DEVICE DESCRIPTION

**SMSEagle** is a professional **hardware SMS gateway** for sending and receiving SMS messages in an automated manner. The device is designed with focus on reliability and stability. SMSEagle is based on ARM A53 processor with Linux 4.4 OS on-board. It has a modern responsive web interface, stable database backend, and built-in 3G modem with fail-over mechanisms (based on software watchdog) which monitor the work of a 3G modem. Thanks to built-in 3G modem, SMS messages are sent/received directly to/from GSM/UMTS network without using any external 3rd party solutions. The device is

equipped with external antenna with 3.5dBi gain – important especially in poor signal reception conditions (eg. Server rooms). SMSEagle has a built-in **SQL database** for secure storage of sent and received messages. Built-in SNMP agent allows to constantly monitor a performance of the SMSEagle. The device has a range of built-in plugins (**Email2SMS plugin, SMS2Email plugin, Network Monitoring plugin**, and other) that enable additional functionalities. SMSEagle has easy to use API for integration with external applications. Ready-to-use source codes for API are provided on [www.smseagle.eu](http://www.smseagle.eu) website.

## HARDWARE DETAILS

<b>Processor type:</b>	ARM A53 1.2GHz (quad-core)
<b>Network interface:</b>	Ethernet 10/100 TX (1xRJ45)
<b>Internal storage:</b>	4GB Flash disk
<b>RTC Clock:</b>	RTC 240B SRAM, Watchdog timer
<b>Power consumption:</b>	max 27W
<b>Noise level:</b>	Fanless
<b>Dimensions:</b>	(width x depth x height) 35 x 120 x 101 mm
<b>Weight:</b>	350g
<b>Casing:</b>	ABS, DIN rail installation
<b>Operating parameters:</b>	Operating temperature: 0 ~ 60°C Humidity: 5 ~ 95% RH (no condensation)
<b>Built-in 3G modem:</b>	Waveband: + UMTS 800/850/900/AWS/1900/2100 MHz + GSM/GPRS 850/900/1800/1900 MHz
<b>SIM card standard:</b>	mini
<b>Antenna connector:</b>	SMA-J
<b>External Antenna:</b>	Omnidirectional 3.5dBi antenna with magnetic foot Cable length 3m
<b>Temp &amp; Humidity sensor:</b>	Accuracy ± 0,5 °C, ±2 %RH
<b>Power supply:</b>	Voltage ranges: 100–240 V AC Frequency: 50–60Hz
<b>Approvals:</b>	CE, FCC, IC, GCF (for RF-module), PTCRB (for RF-module), RCM (for RF-module)

## SENDING/RECEIVING THROUGHPUT

- **incoming transmission rate:** up to 30 SMS/min
- **outgoing transmission rate:** up to 20 SMS/min
- **API send sms requests:** 200 SMS/min (messages are queued for sending in a built-in database)

## SOFTWARE PLATFORM

- operating System: **Linux 4.4**
- built-in **Apache2 web server**
- built-in **PostgreSQL database server**
- built-in **Postfix server**
- built-in **SNMP agent**
- responsive **web interface**
- **watchdog mechanism** for 3G modem
- **failover mechanism** support (HA cluster)

## INSTALLATION AND SETUP

Installation of the device is easy and takes three basic steps:

- 1) Put a **SIM card** inside
- 2) Connect to **LAN (Ethernet)** network
- 3) **Configure IP address** in a web-browser

For detailed instructions on configuring IP address please refer to a user`s manual

## SERVICE & SUPPORT

For our customers we provide ready-to-use **source codes** for easier integration with external software. SMSEagle also comes with **14 days of post-sales technical support** with assistance in integration of SMSEagle with external software. Assistance is done

with email/telephone/remote access. The device has one to three years of hardware repair warranty coverage. For a detailed information on warranty terms and conditions check the link below (Warranty Terms and Conditions).

## USEFUL EXTERNAL LINKS

- User`s **manual** (pdf file) <https://www.smseagle.eu/downloads>
- Warranty **terms and conditions** (pdf file) <https://www.smseagle.eu/downloads>
- **API description** with sample source codes <https://www.smseagle.eu/api>



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