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# Tech datasheet

**NXS-9700-4G**

rev.4

Reference:

SMSEagle NXS97004GREV4

## DEVICE DESCRIPTION

**SMSEagle** is a professional **hardware SMS gateway** for sending and receiving SMS & MMS messages in an automated manner. The device is designed with focus on reliability and stability. SMSEagle is based on ARM A72 processor with Linux 6.1x OS on-board. It has a modern responsive web-interface, stable database backend, and built-in 4G modem with fail-over mechanisms (based on software watchdog) which monitor the work of the 4G modem. Thanks to built-in 4G modem, SMS messages are sent/received directly to/from UMTS/LTE network without using any external 3rd party solutions. The device is equipped with external antenna with 2 dBi

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, SMS2Email, Network Monitoring, SMS Forward, Periodic SMS, Callback URL, Autoreply** 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 A72 1.5GHz (quad core)
<b>Network interface:</b>	Ethernet 10/100/1000 TX (1xRJ45)
<b>Internal storage:</b>	16GB eMMC storage
<b>RAM:</b>	2GB LPDDR4
<b>Other interfaces:</b>	1x HDMI, 2x USB, 4xDI, 4x DO, 1x 1 Wire
<b>Power consumption:</b>	max 25W
<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 (PSU: 0 ~ 40°C) Humidity: 8 ~ 90% RH (no condensation)
<b>Built-in 4G modem:</b>	RF Bands/Wavebands: 4G: ■ LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28 ■ LTE-TDD: B38, B39, B40, B41 ■ WCDMA: B1, B2, B4, B5, B6, B8, B19 ■ Optional GSM: B2, B3, B5, B8
<b>SIM card standard:</b>	mini
<b>Antenna connector:</b>	SMA-J
<b>External Antenna:</b>	Omnidirectional 2dBi antenna with magnetic foot Cable length 3m
<b>Temp &amp; Humidity sensor:</b>	Accuracy ± 0,5 °C, ±2 %RH
<b>Power supply:</b>	AC/DC Adapter: Voltage ranges: 100–240 V AC, Frequency: 50–60Hz Alternative: PoE+
<b>Approvals:</b>	CE, FCC, ISED, RoHS, UKCA, PTCRB, TDRA, RCM, GCF (for RF-module)
<b>LTE standard:</b>	Cat. 4: max 150Mbps download/50 Mbps upload (disabled/enabled)

## SENDING/RECEIVING THROUGHPUT

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- **incoming transmission rate:** up to 30 SMS/min
- **outgoing transmission rate:** up to 30 SMS/min

## SOFTWARE PLATFORM

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- operating system: **Linux 6.1x**
- built-in **Apache2 web server**
- built-in **PostgreSQL database server**
- built-in **Postfix server**
- built-in **SNMP agent**
- responsive **web interface**
- **watchdog mechanism** for 4G modem
- **failover mechanism** support (HA cluster)

## INSTALLATION AND SETUP

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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 the user`s manual

## SERVICE & SUPPORT

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We provide users with ready-to-use **source codes** for easier integration with external software. SMSEagle comes with a **standard 2 year warranty and support**, as well as assistance in integration with external software if needed. Assistance is done via email/telephone/remote access.

The **warranty & support can be extended to 3 or 5 years** at the time of purchase to cover any hardware or software issues. For a detailed information on warranty terms and conditions check the link below (Warranty Terms and Conditions).

## USEFUL EXTERNAL LINKS

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



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to Unbreakable  
Communication

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