



SMSEAGLE NXS-9750-4G

Rev. 3

Tech datasheet



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 A53 processor with Linux 4.14 OS on-board. It has a modern responsive web-interface, stable database backend, and built-in 4G modems with fail-over mechanisms (based on software watchdog) which monitor the work of the 4G modems. Thanks to built-in 4G modems, SMS messages are sent/received directly to/from UMTS/LTE network without using any external 3rd party solutions. The device is equipped with external antennas 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 website.

HARDWARE DETAILS

Processor type:	ARM A53 1.2GHz (quad-core)
Network interface:	Ethernet 10/100/1000 TX (1xRJ45)
Internal storage:	4GB eMMC storage
Other interfaces:	1x HDMI, 2x USB, 4xDI, 4x DO, 1x 1 Wire
Power consumption:	max 20W
Noise level:	Fanless
Dimensions:	(width x depth x height) 35 x 120 x 101 mm
Weight:	350g
Casing:	ABS, DIN rail installation
Operating parameters:	Operating temperature: 0 ~ 60°C Humidity: 5 ~ 95% RH (no condensation)
Built-in 4G modems:	2x RF Bands: <ul style="list-style-type: none">▪ LTE FDD: 1-5, 7, 8, 12, 13, 17, 20, 25, 26, 28, 29, 30 (Rx only), 66▪ LTE TDD: 38, 40, 41▪ 3G: 1, 2, 4, 5, 8
SIM card standard:	mini
Antenna connector:	SMA-J
External Antennas:	2x Omnidirectional 2dBi antennas with magnetic foot Cable length 3m
Temp & Humidity sensor:	Accuracy ± 0,5 °C, ±2 %RH
Power supply:	Voltage ranges: 100–240 V AC Frequency: 50–60Hz
Approvals:	CE, FCC, IC, GCF (for RF-module), PTCRB (for RF-module), RCM (for RF-module)
LTE standard:	Cat. 11: max 600Mbps download/ 75 Mbps upload (disabled/enabled)

SENDING/RECEIVING THROUGHPUT

- **incoming transmission rate:** up to 2x30 SMS/min
- **outgoing transmission rate:** up to 2x30 SMS/min

SOFTWARE PLATFORM

- operating system: **Linux 4.14**
- 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 modems
- **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) <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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