



SMSEAGLE NXS-9750-4G

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 4.14 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 a 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 2dBi

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, Auto-reply** and others) 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 modem:	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 Antenna:	2x Omnidirectional 2Bi antenna 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/ 75Mbps upload (disabled/enabled)

SENDING/RECEIVING THROUGHPUT

- **incoming transmission rate:** up to 60 SMS/min
- **outgoing transmission rate:** up to 60 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 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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