SMSEagle
Hardware SMS Gateway

SMSEAGLE
NXS-9750-4G

Tech datasheet

Rev. 4

Reference:
SMSEagleNXS97504GREV4

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 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 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 A72 1.5GHz (quad core)
Network interface:	Ethernet 10/100/1000 TX (1xRJ45)
Internal storage:	16GB eMMC storage
RAM:	2GB LPDDR4
Other interfaces:	1x HDMI, 2x USB, 4xDI, 4x DO, 1x 1 Wire
Power consumption:	max 35W
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 (PSU: 0 ~ 40°C)
	Humidity: 8 ~ 90% RH (no condensation)
Built-in 4G modems:	2x 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
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:	AC/DC Adapter: Voltage ranges: 100–240 V AC, Frequency: 50–60Hz
	Alernative: PoE+
Approvals:	CE, FCC, ISED, RoHS, UKCA, PTCRB, TDRA, RCM, GCF (for RF-module).
LTE standard:	Cat. 4: max 150Mbps download/50 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 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 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 the user`s manual

SERVICE & SUPPORT

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

- 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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