SMSEagle

Tech datasheet

NXS-9700-5G

rev.4
Reference:
SMSEagleNXS97005GREV4

DEVICE **DESCRIPTION**

SMSEagle NXS-9700-5G is a professional **hardware SMS/MMS gateway** for sending and receiving SMS messages in an automated manner. The device is designed with focus on reliability and stability. It is equipped with Linux OS, modern responsive web-interface, database backend, and built-in 5G modem with automatic watchdog mechanism. The radio module with global band coverage assures carrier compatibility with all major 5G networks worldwide and automatic fallback to 4G or 3G. The device is equipped with 2 external MIMO antennas – important especially in poor signal reception conditions (eg. server rooms). SMSEagle has a built-in **SQL database** for secure internal storage of messages. Built-in SNMP agent allows to constantly monitor performance of the SMSEagle. The device has a range of built-in plugins that enable additional functionalities and **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 25W
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 5G modem:	RF Bands/Wavebands: 5G NR NSA/SA: n1/n2/n3/n5/n7/n8/n12/n20/ n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 4G: LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/ B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48 3G: UMTS B1/B2/B3/B4/B5/B6/B8/B19
SIM card standard:	mini
Antenna connector:	SMA-J
External Antenna:	2x Omnidirectional 2.5dBi MIMO Magnetic/Adhesive mount Cable length 2m
Temp & Humidity sensor:	Accuracy ± 0,5 °C, ±2 %RH
Power supply:	AC/DC Adapter: Voltage ranges: 100–240 V AC, Frequency: 50–60Hz Alternative: PoE+
Approvals:	CE, FCC, IC, GCF (for RF-module), PTCRB (for RF-module), RCM (for RF-module)
5G Standard:	3GPP Release 15, max data rate DL 2.1 Gbps; UL 450 Mbps

SENDING/RECEIVING THROUGHPUT

- **incoming transmission rate:** up to 30 SMS/min
- **outgoing transmission rate:** up to 30 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 5G 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 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**