

Tech datasheet

NXS-9700 5G

rev.5

Reference:

SMSEagle NXS97005GREV5



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.

Thanks to a built-in 5G modem, messages are sent/received directly to/from a telecommunication network, without using any external 3rd party solutions. This ensures that critical messages are always delivered even in offline/isolated environments. The SMSEagle device is installed on-prem allowing organizations to maintain full control over their communication, keeping sensitive data within their own infrastructure.

Easy integration with external systems is achieved via API, Email to SMS, or ready-to-use plugins for the most popular systems in your industry. Multiple messaging options (SMS, MMS, voice, text-to-speech, USSD codes, flash SMS, binary SMS) ensure flexibility of communication in all environments.

The device's software is fully configurable and equipped with multiple features like: SMS scheduling, message templates, multiuser support, phonebook with private/public contacts & groups, message escalation feature, shift management, voice calls (wake-up calls and text-to-speech calls), Email to SMS forwarding, SMS to Email, webhooks for incoming SMS, temperature SMS alerts, digital input and outputs controlled via SMS, simple monitoring of servers/services (ICMP, TCP, UDP SNMP), LDAP integration, periodic SMS, newsletter-style subscriptions via SMS, auto-reply, automatic modem health control, device failover support, and many others.

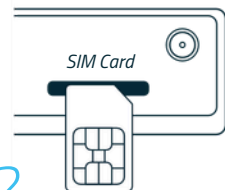
Visit our website www.smseagle.eu for full list of supported features.

How to use it:



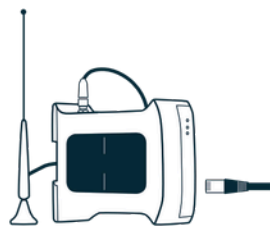
1

PURCHASE SMSEagle device



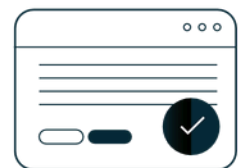
2

INSERT your SIM card into SMSEagle



3

CONNECT SMSEagle to your computer network



4

ACCESS your SMSEagle From a web browser or any external system.

Hardware details

Processor type:	ARM A72 1.5GHz (quad core)
Network interface:	Ethernet 10/100/1000 TX (1xRJ45) 16GB
Internal storage:	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/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 77/ 78/ 79 4G LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 30/ 66/ 70/ 71 LTE-TDD: B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48
Region:	Global mini SMA-J 2x
SIM card standard:	miniSIM (2FF)
Antenna connector:	Magnetic/Adhesive mount
External Antenna:	2x Omnidirectional 2.5dBi antenna with magnetic foot. 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. DC plug 5.5/2.5 Alternative: PoE+
Approvals:	CE, FCC, IC, GCF (for RF-module), PTCRB (for RF-module), RCM (for RF-module)
5G standard:	3GPP Release 17 RedCap, max. data rate DL 223 Mbps / UL 123 Mbps

Useful external links

Full product info: <https://www.smseagle.eu/products/single-modem-series>

Product accessories: <https://www.smseagle.eu/products/accessories/>

User's manual: <https://www.smseagle.eu/downloads>

Warranty terms and conditions: <https://www.smseagle.eu/downloads>

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.

Sending/Receiving throughput

incoming transmission rate: up to 30 SMS/min

outgoing transmission rate: up to 30 SMS/min

Software platform

- operating system: **Linux 6.12**
- 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)