Tech datasheet
NXS-9700 5G

rev.4
Reference:
SMSEagle NXS97005GREV4

SMSEagle

SMSEagle is a professional hardware SMS gateway for sending and receiving SMS & MMS messages in an automted manner. The device is designed with focus on reliability and stability.
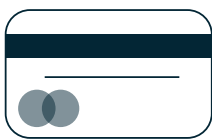
Thanks to a built-in 5G modem, messages are sent/received directly to/from a telecommunication network, without using any external 3rd party solutions. This ensures that critical messages are always delivered even in offline/isolated environments. The SMSEagle device is installed on-prem allowing organizations 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.
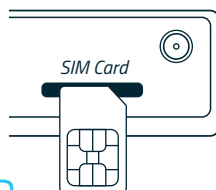
Visit our website *www.smseagle.eu* for full list of supported features.
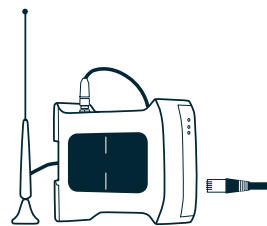
How to use it:

1

PURCHASE
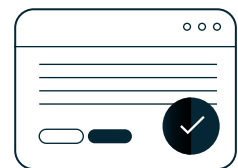SMSEagle device

2

SIM Card

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)
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/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
Region:	Global
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

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 6.1x**
- 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)

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*