

# Tech datasheet

## MHD-8100 4G

rev.1.1

Reference:

SMSEagleMHD81004GREV1.1



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 8x built-in 4G modems, 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.

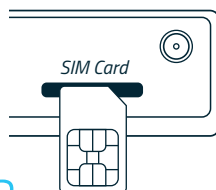
Visit our website [www.smseagle.eu](http://www.smseagle.eu) for full list of supported features.

### How to use it:



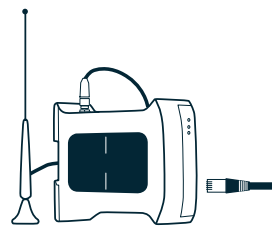
1

PURCHASE  
SMSEagle device



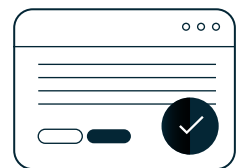
2

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:	Intel(R) Celeron(R) CPU N3350
Network interface:	2x Ethernet 10/100/1000 TX (2xRJ45)
Internal storage:	32GB eMMC storage
RAM:	2GB LPDDR4
Other interfaces:	1x HDMI+DP, 2x USB 3.0
Power consumption:	40W
Noise level:	Fanless
Dimensions:	(width x depth x height) 44 x 15.5 x 4.5 cm
Weight:	1.8 kg
Casing:	Metal Rack 1U"
Operating parameters:	Operating temperature: 32-140°F / 0-60°C Humidity: 10%-80%RH (non-condensing)
Built-in 4G modem (x8):	RF Bands/Wavebands: • 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
Region:	Global
SIM card standard:	8x mini
Antenna connector:	SMA-J
External Antenna:	8x Omnidirectional 2dBi antenna
Power supply:	AC power cord Voltage ranges: 100-240 V Frequency: 50-60Hz
Approvals:	CE, ISED, RoHS, UKCA, RCM, FCC (for RF-module), IC (for RF-module), GCF (for RF-module), PTCRB (for RF-module)
LTE standard:	Cat. 4: max 150Mbps download/50 Mbps upload (disabled/enabled)

## 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 8x30 SMS/min  
**outgoing transmission rate:** up to 8x30 SMS/min

## Software platform

- operating system: **Ubuntu 22.04**
- 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)

## Useful external links

Full product info: <https://www.smseagle.eu/products/eight-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>