



# SMSEAGLE MHD-8100-4G

Tech datasheet



## DEVICE DESCRIPTION

**SMSEagle** is a professional **hardware SMS gateway** for sending and receiving SMS messages in an automated manner. The device is designed with focus on reliability and stability. SMSEagle has a modern responsive web-interface, stable database backend, and built-in 8x 4G modems with fail-over mechanisms (based on software watchdog) which monitor the work of a modem. Thanks to built-in 4G modems, SMS messages are sent/received directly to/from GSM/UMTS network without using any external 3rd party solutions. The device is equipped with antennas with 2dBi 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 other) 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](http://www.smseagle.eu) website.

## HARDWARE DETAILS

<b>Processor type:</b>	Intel(R) Celeron(R) CPU N3350
<b>RAM type:</b>	2GB LPDDR4
<b>Internal storage:</b>	32GB eMMC storage
<b>Network interface:</b>	2x Ethernet 10/100/1000 TX (2xRJ45)
<b>Other interfaces:</b>	1x HDMI+DP, 2x USB 3.0
<b>Power consumption:</b>	40W
<b>Noise level:</b>	Fanless
<b>Dimensions:</b>	(width x depth x height) 44 x 15.5 x 4.5 cm
<b>Weight:</b>	1.8kg
<b>Casing:</b>	Metal Rack 1U"
<b>Operating parameters:</b>	Operating temperature: 32-140°F / 0~60°C Humidity: 10%~80%RH (non-condensing)
<b>Built-in 4G modems:</b>	RF Bands: 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; GSM: B2/ B3/ B5/ B8
<b>SIM card standard:</b>	8x mini
<b>Antenna connector:</b>	SMA-J
<b>External Antenna:</b>	8x Omnidirectional 2dBi
<b>Power supply:</b>	Voltage ranges: 100–240 V AC Frequency: 50–60Hz
<b>Approvals:</b>	FCC ID: XMR201903EG25G, IC ID: 10224A-201903EG25G RoHS complaint
<b>Country of Origin:</b>	EU (Poland)

## SENDING/RECEIVING THROUGHPUT

---

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

## SOFTWARE PLATFORM

---

- operating system: **Ubuntu 18.04**
- 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)

## 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 a user`s manual

## SERVICE & SUPPORT

---

For our customers we provide ready-to-use **source codes** for easier integration with external software. SMSEagle also comes with **14 days of post-sales technical support** with assistance in integration of SMSEagle with external software. Assistance is done

with email/telephone/remote access. The device has one to three years of hardware repair warranty coverage. 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>



Ul. Piątkowska 163, 60-650  
Poznań, Poland | Europe

T +48 61 6713 413

E [hello@smseagle.eu](mailto:hello@smseagle.eu)

[www.smseagle.eu](http://www.smseagle.eu)