



SMSEAGLE MHD-8100-4G

Tech datasheet



DEVICE **DESCRIPTION**

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. 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 UMTS/LTE 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** website.

HARDWARE DETAILS

Processor type:	Intel(R) Celeron(R) CPU N3350
RAM type:	2GB LPDDR4
Internal storage:	32GB eMMC storage
Network interface:	2x Ethernet 10/100/1000 TX (2xRJ45)
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:	1.8kg
Casing:	Metal Rack 1U"
Operating parameters:	Operating temperature: 32-140°F / 0~60°C
	Humidity: 10%~80%RH (non-condensing)
Built-in 4G modems:	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
SIM card standard:	8x mini
Antenna connector:	SMA-J
External Antenna:	8x Omnidirectional 2dBi
Power supply:	Voltage ranges: 100–240 V AC
	Frequency: 50–60Hz
Approvals:	FCC ID: XMR201903EG25G, IC ID: 10224A-201903EG25G, CE, RoHS,
	GCF (for RF-module), PTCRB (for RF-module), RCM (for RF-module)
Country of Origin:	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



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