SMSEagle NPE-3G 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 is based on ARM9 processor with Linux 2.6 operating system on-board. It has a modern responsive web-interface, stable database backend, and built-in 3G modem with fail-over mechanisms (based on software watchdog) which monitor the work of a 3G modem. Thank to built-in 3G modem, SMS messages are sent/received directly to/from GSM network without using any external 3rd party solutions. The device is equipped with external antenna with 3.5dBi 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 plugin, SMS2Email plugin, Network Monitoring plugin, 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:	ARM9 32bit 200MIPS RISC
Network interface:	Ethernet 10/100 TX (1xRJ45)
Internal storage	1GB Flashdisk:
RTC Clock	RTC 240B SRAM, Watchdog timer
Power consumption:	max 17W
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: -10 ~ 60°C Humidity: 5 ~ 95% RH (no condensation)
Built-in modem 3G modem:	Waveband: + UMTS 2100/1900/850 MHz + GSM/GPRS 850/900/1800/1900 MHz

SIM card standard:	mini
Antenna connector:	SMA-J
External Antenna:	Omnidirectional 3.5dBi antenna with magnetic foot Cable length 1m
Power supply:	Voltage ranges: 100–240 V AC Frequency: 50–60Hz

Sending/Receiving Throughput

- Incoming transmission rate: up to 30 SMS/min
- Outgoing transmission rate: up to 20 SMS/min
- API send sms requests: 30 SMS/min (messages are queued for sending in a built-in database)

Software Platform

- Operating System: Linux 2.6
- built-in Apache2 web server
- built-in PostgreSQL database server
- built-in Postfix server
- built-in SNMP agent
- responsive web interface
- failover mechanisms for 3G modem

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 a detailed instruction 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 year 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/docs/users_manual.pdf
Warranty Terms & Conditions (pdf file): http://www.smseagle.eu/docs/general_warranty_terms_and_-conditions.pdf
API description with sample source codes: http://www.smseagle.eu/api.php

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