

# SSENET-G3 NMEA 2000 to WIFI/Cellular Gateway

The SeaSmart.net Cellular Gateway uploads NMEA 2000 bus data directly to HelmSmart.net cloud services using an internal 4G modem. Built-in WIFI also provides local data access to any Web Browser enabled device via adhoc (standalone) network connection.

A Built-in Server hosts Web pages that convert NMEA 2000 data directly into virtual instruments for real-time display of hundreds of parameters. The netGauges.net pages are completely customizable using the browser interface to match any installation from engine data, fluid tanks, battery status, weather, navigation, and more.

New Generation-3 features allow the adapter to send data directly to HelmSmart.net servers over an existing internet connection while also storing to internal SD memory in case live connections are not available. SD memory files can be later accessed via any browser device and uploaded to cloud based servers for storage and analysis.



The multi-function weather-resist data port auto switches from Serial mode to USB mode when plugged into a compatible PC/Laptop and is electrically isolated from the NMEA 2000 bus. Serial mode allows legacy NMEA 0183 equipment an upgrade path to NMEA 2000 using the PushSmart™ Protocol while USB mode provides an isolated protective interface to PCs running marine instrumentation and chart plotting applications such as the vDash real-time virtual dashboard.

The SeaSmart.net WIFI/4G adapter can be used stand-alone to data log selected NMEA 2000 traffic to SD Memory or remotely accessed over compatible cellular networks. In cases were cellular networks are temporarily unavailable, the gateway will continue to log to local SD storage and resync to HelmSmart.net cloud services when connections are reestablished.

All SeaSmart.net adapters are NMEA 2000 Certified to meet rigid standards that ensure reliable interoperation among all participating manufactures and products. Certification guarantees SeaSmart.net will not affect bus operation and follows strict electrical and power isolation standards.

Generation 3 models offer complete configuration using embedded web pages and SD card storage. Bus data logs can be accessed and uploaded locally or sent directly to HelmSmart.net cloud services for analytics and alerts. Cloud services will monitor vessel location, engine performance, and even bilge and fluid levels..

Other SeaSmart.net adapters are available for NMEA 2000 interface to Cellular 4G and WiFi with embedded Web Servers for Browser based viewing of all vessel information via any internet connections.

Model Number

SSG3W4G

Interface

WIFI/4G

PGN List Size (RX/TX)

32/28

- User configurable
- Bus Analyzer S/W for PC/Browser
- Receive All Mode

CAN Bus Protocol Supported

- NMEA 2000
- J1939

NMEA 0183/AIS supported

SD Memory Storage (removable)

32GB

Serial Port (RS232)/USB Port

- Airmar WX 8 pin Conxal with 12VDC power
- Twist-Lock connector
- Supplied Windows OS (7/8/11) PC Instrumentation S/W for live view

Aux pulse inputs

- Dual fuel flow with optional flow sensors to 250 g/h
- Dual RPM sensor inputs

NMEA 2000 Port

- DeviceNet 5-pin connector – bus powered

Cellular 4G Port

- User supplied SIM card for AT&T, Verizon, T-Mobile, Vodafone, Telus
- LTE-M/NB-IOT
- Bands 1,2,3,5,8,12,13,18,19,20,25,26,28,39

WiFi Port (802.11 b/g) 2.48 GHz

- External dipole antenna
- Wireless configuration via embedded web page in Adhoc mode (standalone)

Embedded Web Server

- Included Web Pages for live view
- Updated via internal SD card storage

Remote Access via Internet

- Direct Push to HelmSmart-Cloud.com

Power Supply

9V-32V DC

Supply Current

800 mA

Enclosure Material

Plastic

Dimensions

5"x4"x2"