SSENET-G3 NMEA 2000 to Ethernet Gateway

The SeaSmart.net ENET Gateway translates NMEA 2000 bus data to Ethernet 10/100 Base-T for use on any compatible infrastructure network. When combined with an on-board router, SeaSmart ENET will provide data access to any Web Browser enabled device locally or across an internet 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 ENET adapter can be used stand-alone to data log selected NMEA 2000 traffic to SD Memory or remotely accessed via the Ethernet interface using TCP and UDP protocols supporting many devices over a single network cable. When combined with a router with internet access, remote access to vessel NMEA 2000 data is possible anywhere, anytime.

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	SSENETG2
Interface	Ethernet
PGN List Size (RX/TX) • User configurable • Bus Analyzer S/W for PC/Browser • Receive All Mode	32/28
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	☑
Ethernet Port (10/100 Base-T) • DHCP (auto) and static IP configurable • 8 pin RJ45 with LED status indicators • UDP broadcast and slave modes	☑
WiFi Port (802.11 b/g) 2.48 GHz • Internal antenna • Wireless configuration via embedded web page in Adhoc mode	☑
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	400 mA
Enclosure Material	Plastic
Dimensions	5"x4"x2"