

Ethernet Gateway

The SeaSmart.net line of marine adapters convert NMEA 2000 data into common interfaces such as Serial, USB, Ethernet, and WiFi making it possible to access vessel data on alternate network interfaces.

The SeaSmart.net Ethernet Gateway translates NMEA 2000 bus data to wired Ethernet (10/100) for use on common router/hub based networks. When connected to a WAN port, NMEA 2000 data can be remotely accessed from anywhere via the internet.

Multi-function weather-resist data ports feature secure twist-lock connections and sealed cables for reliable performance. Separate NMEA 2000 and RS232 ports allow legacy NMEA 0183/AIS devices to share a common Ethernet TCP/IP connection. Full protocol suite is provided for DHCP, Static IP, FTP, HTTP, UDP, TELNET and more. All network configurations are performed via embedded Web Pages from any browser enabled device.



The SeaSmart.net Ethernet adapter features an embedded Web Server and custom CGI scripts to allow live viewing of NMEA 2000 data on any browser enabled device. Preconfigured Web pages are provided for vessel data such as engine status, fluid levels, switch status, weather, navigation, and more. Pages can be easily customized using common HTTP. Also featured are multiple TCP/UDP connections to live NMEA 2000 data for any application using the SeaSmart.net Protocol.

The SeaSmart.net Protocol is Open Published to allow a growing list of third party PC applications for chart plotting, weather, vessel instrumentation, and more. The adapter handles all of the bus interface and translation to greatly simplify new application development for NMEA 2000 data sources.



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.

Other SeaSmart.net adapters are available for NMEA 2000 interface to Serial/USB or WiFi with embedded Web Servers for Browser based viewing of all vessel information via internet connections.

Model Number	SSN2K-01	SSENET-02	SSWiFi-03	SSTCP-04
Interface	Serial/USB	Ethernet	WiFi	ENet/WiFi
PGN List Size (RX/TX)	32/28	32/28	32/28	32/28
<ul style="list-style-type: none"> User configurable Bus Analyzer S/W for PC Receive All Mode 				
NMEA 2000 Protocol Supported	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> SeaSmart.net Actisense NGT 				
NMEA 0183/AIS supported		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Maximum Baud Rate	57600	230400	115200	115200
Serial Port (RS232)/USB Port	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Supplied weather-resist USB - 2m Twist-Lock connector Supplied PC Instrumentation S/W for live view 				
Aux Serial Port (RS232)NMEA 0183/AIS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NMEA 2000 Port	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Supplied DeviceNet drop cable -1m 				
Ethernet Port		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Supplied weather-resist RJ45 patch cable-3m Twist-lock connector 				
WiFi Port (802.11 b/g) 2.48 GHz			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Supplied 6" di-pole Optional remote Antenna 				
Embedded Web Server		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Included Web Pages for live view 				
Remote Access via Internet			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Power Supply	9V-32V DC	9V-32V DC	9V-32V DC	9V-32V DC
Supply Current	600 mA	800 mA	800 mA	850 mA
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Dimensions	4"x2"x2"	4"x2"x2"	4"x2"x2"	4"x2"x2"