

# SeaSmart-G3 NMEA 2000 to WiFi Gateway

The SeaSmart.net™ WiFi Gateway translates NMEA 2000 bus data to 802.11 b/g wireless for use on any compatible infrastructure or AdHoc network. Can be used stand-alone (AdHoc) with any tablet/iPad/iPhone/SmartPhone or attached wirelessly to an on-board router (infrastructure). Also compatible with new MiFi cell based devices and personal HotSpots for remote internet access within coverage areas.

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.



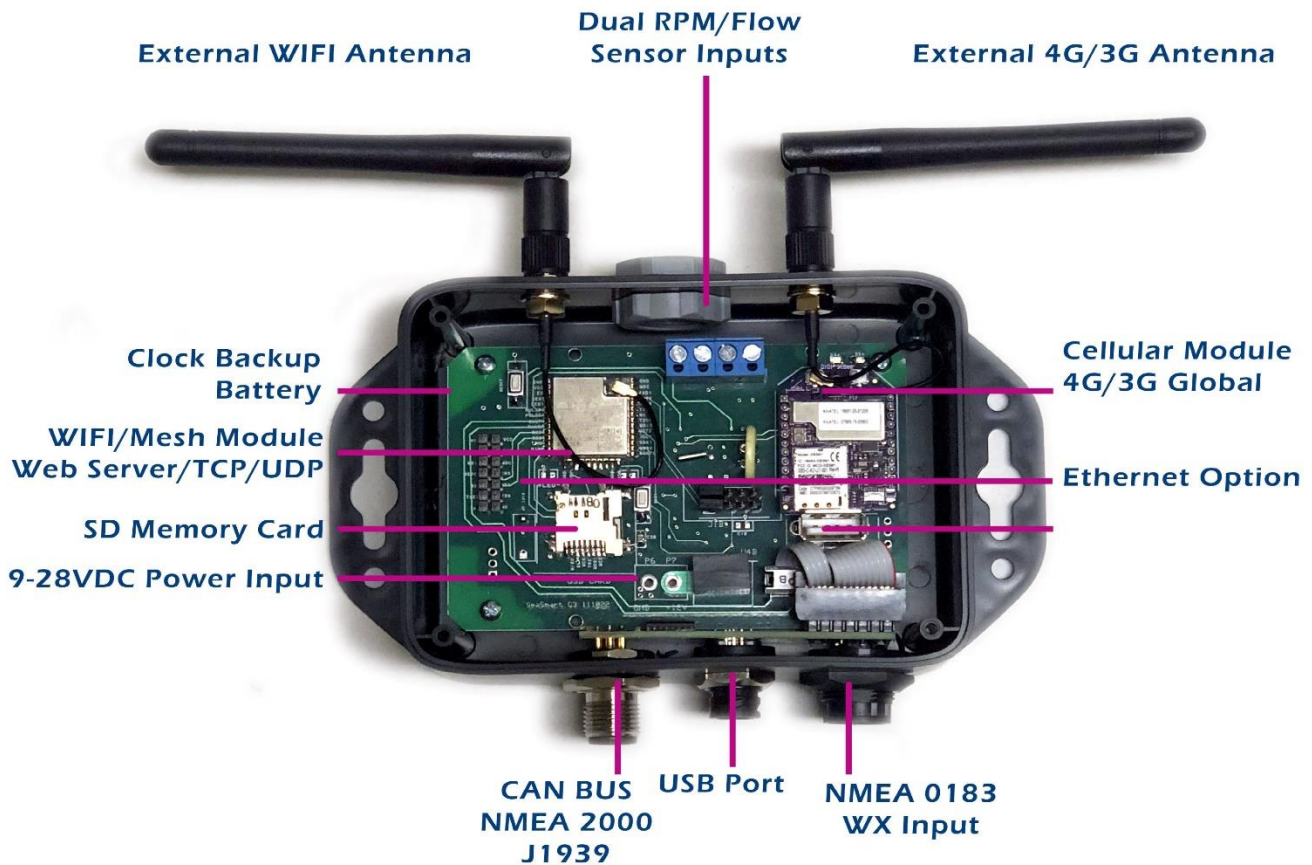
The multi-function weather-resist data port auto switches from Serial mode to USB mode when plugged into a compatible PC/Laptop and is electrically isolated from the NMEA 2000 bus. Serial mode allows legacy NMEA 0183 equipment an upgrade path to NMEA 2000 using the PushSmart™ Protocol while USB mode 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 adapter can be used stand-alone to data log selected NMEA 2000 traffic to SD Memory or remotely accessed via the WiFi interface using TCP and UDP protocols supporting many devices over a single access point. When combined with a router with internet access or MiFi device, 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.

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The new generation SeaSmart G3 includes multiple interface options to support device and network connectivity. Native 2GHz Wireless support for Access Point, Station, and Mesh networks provide access to most modern portable devices while the optional 4G/3G cellular modem adds direct internet connection to cloud services. Optional hard-wired ethernet module provides a secure network interface through bulkheads and enclosed structures



Additional interface features include dual pulse inputs to support the SeaSmart line of fuel flow or tachometer sensors. A RS232/488 port allows direct attachment of compatible NMEA 0183 weather stations or GPS modules.

A key feature of the SeaSmartG3 gateway is its embedded web server hosting dashboard web pages for live view of CAN Bus or NMEA 0183 data without needing a separate internet connection. All web based dashboards are user customizable and can be quickly modified using the on-board SD card storage.

SeaSamrtG3 gateways now also support the netDimmer line of wireless Mesh network devices to control LED lighting and remote switching modules. Wireless Mesh networks can easily connect up to 64 dimmer or switching modules over very large coverage areas

Model Number	SSWIFIG3	SSENETG3	SSG3W4G	SSWIFIMESH
Interface	WIFI	Ethernet	WIFI/4G	WIFI/Mesh
NMEA 2000 Protocol Supported <ul style="list-style-type: none"> <li>• PushSmart</li> <li>• JSON</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NMEA 0183/AIS supported	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SD Memory Storage (removable)	32GB	32GB	32GB	32GB
Serial Port (RS232)/USB Port <ul style="list-style-type: none"> <li>• Supplied weather-resist USB - 2m</li> <li>• Twist-Lock connector</li> <li>• Supplied PC Instrumentation S/W for live view</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dual Pulse Inputs <ul style="list-style-type: none"> <li>• Fuel Flow sensors to 900 l/hr</li> <li>• Tachometer sensors</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NMEA 2000 Port <ul style="list-style-type: none"> <li>• DeviceNet 5-pin connector</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ethernet Port (10/100 Base-T) <ul style="list-style-type: none"> <li>• RJ45 patch cable-3m</li> </ul>		<input checked="" type="checkbox"/>		-
WiFi Port (802.11 b/g) 2.48 GHz <ul style="list-style-type: none"> <li>• Up to 100 m range</li> <li>• Optional remote Antenna</li> </ul>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WiFi MESH Master 2.48 GHz <ul style="list-style-type: none"> <li>• Up 64 mesh slave dimmer/switch modules</li> </ul>				<input checked="" type="checkbox"/>
Cellular modem 4G Global <ul style="list-style-type: none"> <li>• Direct to Cloud services</li> <li>• User supplied SIM card</li> </ul>			<input checked="" type="checkbox"/>	
Embedded Web Server <ul style="list-style-type: none"> <li>• Included Web Pages for live view on SD card</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remote Access via Internet <ul style="list-style-type: none"> <li>• Direct Push to HelmSmart.net</li> <li>• Uses local infrastructure access point</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Power Supply	9V-24V DC	9V-24V DC	9V-24V DC	9V-24V DC
Supply Current	400 mA	400 mA	800 mA	650 mA
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Dimensions	5"x3.5"x2"	5"x3.5"x2"	5"x3.5"x2"	5"x3.5"x2"