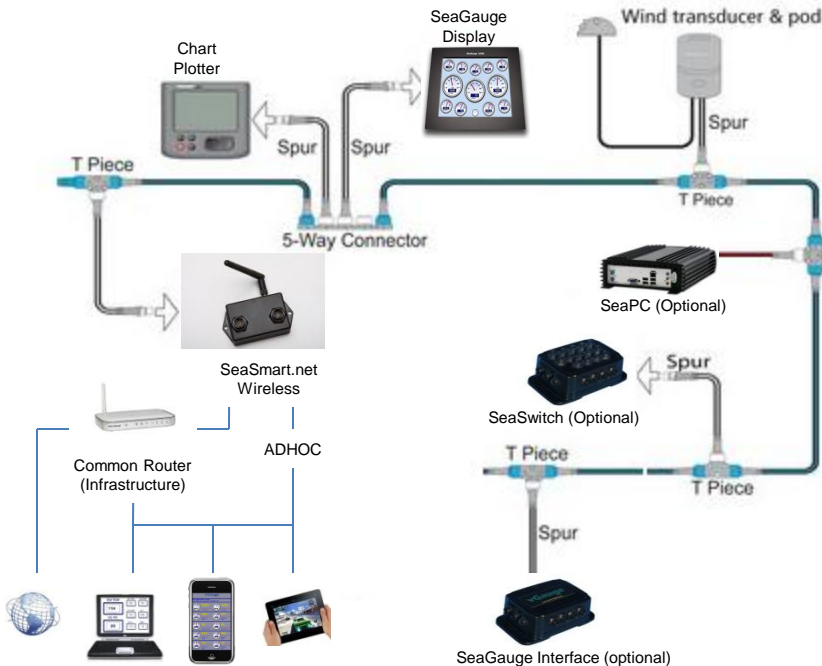## Wireless NMEA 2000™ Protocol Gateway

SeaSmartWiFi

Plug and Play Wireless NMEA 2000™ and NMEA 0183™ compatible interface module consists of a USB/Serial gateway, 802.11 b/g Wi-Fi transmitter and built in CGI/AJAX web server. Compatible with most browser enabled devices such Smart Phones, iPhone, iPad, and Android, SeaSmart.Net™ allows users to view NMEA 2000™ and 0183 serial data via integrated web pages eliminating add-on license fees. Open Sourced HTML Protocol allows simple customization to fit any application from weather station, dual engines, battery banks, fluid tanks and more. Now view all gauges, switch positions and GPS information from any browser enabled device.

SeaSmart.Net™ innovative interface technology includes an embedded Wi-Fi module to directly support both infrastructure and Ad Hoc networks without additional equipment. SeaSmart.net firmware translate native NMEA 2000 protocol to compatible HTML pages which are automatically updated Live and feed to the embedded web server. CGI and AJAX protocols allow JavaScript Web Browsers to view the dynamic graphics with minimum network loading so that performance is maintained over Dial-Up and Cell based networks. The Open Protocol allows for license free viewing of vessel data equal to other helm station displays and is easily shared among other devices. This data can be logged and viewed on vessel based systems or pushed to internet based remote servers for access anywhere in the world.

Chetco Digital SeaSmart.Net™ technology makes wireless gauge viewing, data access and data storage as easy as using a smart phone and browser. SeaSmartWiFi is bundled with sample Web Pages for instant setup. Custom development tools are also included.

Technical Specifications

PGN	TYPE	HTTP Header	Parameters
126992	System Time	$P126992	3
127250	Vessel Heading	$P127251	3
127251	Rate Of Turn	$P127251	2
127257	Attitude	$P127257	3
127488	Engine Parameter, Rapid	$P127488	3
127489	Engine Parameter, Dynamic	$P127489	9
127493	Transmission Parameters	$P127493	3
127501	Binary Switch Status	$P127501	4
127502	Switch Bank Control	$P127502	4
127505	Fluid Level	$P127505	3
127508	Battery Status	$P127508	3
130306	Wind Data	$P130306	2
130311	Environmental Parameters	$P130311	2
130312	Temperature	$P130312	2
130323	Meteorological Station	$P130323	7
129026	GPS COG & SOG	$P129026	2

New PGN's added weekly Call for updates

Operating Voltage	9 to 14.5 Volts DC Voltage
Power Consumption	<600mA Average Current Drain
Load Equivalence Number	12 NMEA 2000® Spec. (1LEN = 50 mA)
Reverse Battery Protection	Yes Indefinitely
Load Dump Protection	Yes Energy Rated per SAE J1113
Size:	4" x 2" x 2" Including Flanges for Mounting Weigh 8 oz. (340 g)
NMEA 2000® Connector	DeviceNet Micro-C via 24" cable drop (4 pin Conxall)
NMEA 2000® Isolation	Opto-Isolated No Electrical Connection Across Bridge
Interface Standard	RS232 Serial/USB 1.1
USB Connector	8-pin Conxall to USB Type A - 5' cable drop
USB Auxiliary Power	+5 Volts < 200 mA
RS232 Connector	8-pin Conxall to DB9 Connection to PC – 5' cable drop
Power Connector	2-pin Conxall to 3' pigtail (12V/GND)
WFi Interface	802.11 b/g 11/57 Mb/s
WiFi Antenna	Dipole ¼ Wave
Operating Temperature	-25°C to 55°C
Storage Temperature	-40°C to 70°C
Relative Humidity	93%RH @40° per IEC60945-8.2