WLN10 *Smart*

NEW! NMEA to WiFi Gateway

Product Introduction

WLN10 Smart NMEA to WiFi Gateway

Part Number: ZDIGWLN10SM

September 2018 Digital Yacht UK Tel + 44 1179 55 44 74

UPC:081159830885

www.digitalyacht.co.uk

SRP £125.00 ex vat

Introduction & Market

Boaters like the idea of using an iPad, tablet or smart phone for on board navigation with their simple touch screen interface and vast range of charting and instrument apps.

Product Summary

SRP £125.00/€150 ex VAT
UPC 081159830885
PART NUMBER
ZDIGWLN10SM

Dear Partner

Digital Yacht's new WLN10 Smart NMEA to WiFi gateway takes iPad and tablet integration afloat even further with the ability to connect to existing on board GPS, AIS and instrument systems and transfer data wirelessly to an iPad or tablet – allowing compatible apps to display and compute with real time information. The WLN10 creates a secure, password protected wifi network on board to footprint the boat with data.

When connected to, for example, an AIS system, real time AIS target positions and identity data will be displayed on detailed electronic charting through compatible apps including NavLink, TimeZero, iAIS, iSailor, Seapilot and hundreds more. The tablet becomes a full function navigation display.

This new version of the WLN10 can now be programmed through its simple browser interface for NMEA 0183 data at 4800 or 38400 baud as well as allowing multiple devices to connect so you can be using a PC at the chart table with an iPad on deck. It's also bidirectional so apps can control an autopilot if this function is enabled. Next gen nav from Digital Yacht.

The Digital Yacht team
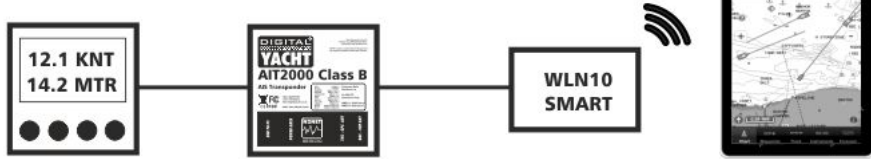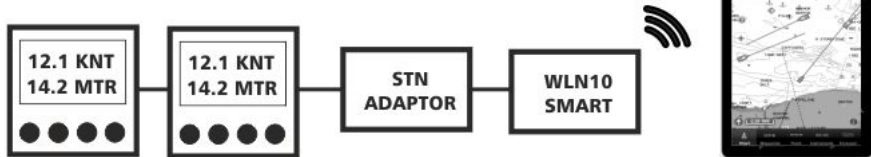TEL + 44 1179 55 44 74
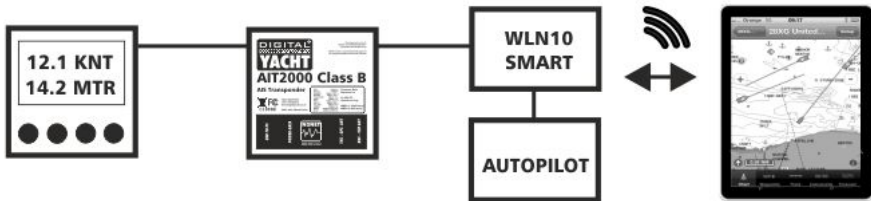
Installation

AIS Transponder Interfacing

NMEA input on AIT2000 can also be used for NMEA instrument data

SeaTalk Interfacing Example

Utilise Digital Yacht SeaTalk to NMEA adaptor with WLN10 Smart

Bi directional interfacing

The WLN10 Smart supports a bi directional interface for compatible apps

Interfaced with our AIT1500 or AIT2000, the WLN10 Smart will provide wireless connectivity of AIS and GPS data. Utilise that with our NavLink charting app or iAIS app now with Navionics capability. The AIT series also have an additional NMEA data port so will multiplex an additional channel of data to the WLN10 Smart too
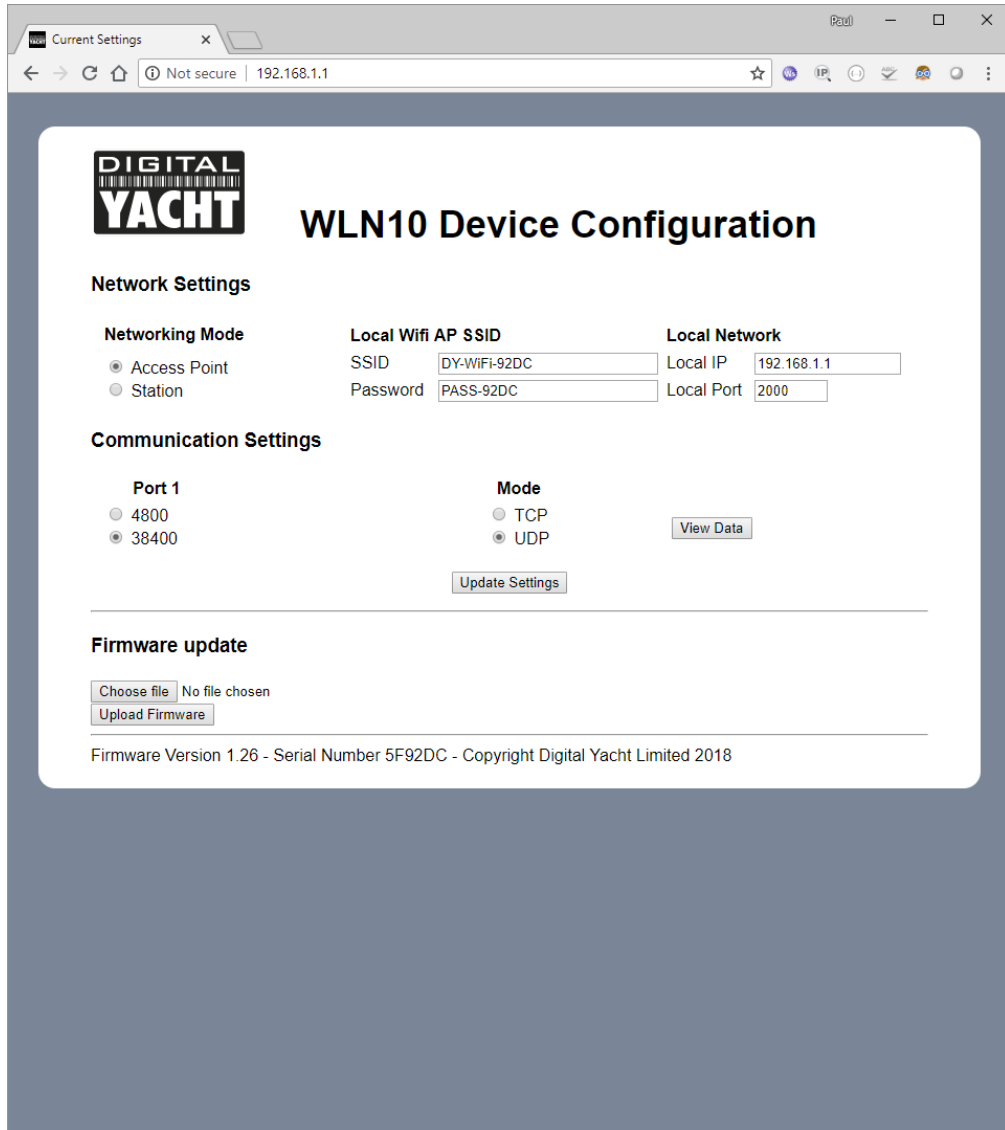
You can also utilise our SeaTalk to NMEA adaptor to allow SeaTalk instrument data to be interfaced directly to the WLN10 Smart

Apps that support a NMEA output are also supported via the bi-directional wireless interface on the WLN10 Smart

Our iAIS app is now available with a Navionics plug in allowing AIS targets to be overlaid on a Navionics chart layer

New *Smart* web interface

The new WLN10SM has a web interface for setup and initial programming:

Just logon to the IP address and you can set baud rate, SSID and password. No complicated programming!

The WLN10 Smart supports both UDP (for multiple connections) and TCP/IP interfaces for maximum compatability with apps.

You can also view NMEA data received for easy fault finding of issues.

FAQs

Do I need an internet connection to use the WLN10 Smart?
No internet connection is required. Many consumers get confused and automagtically associate wifi with internet. The WLN10 Smart creates a wifi network and the local iPad or tablet users searches for this in the same way they search for a wifi hotspot. Once connected, NMEA data is sent over the local link created on board the boat.

How many devices can connect?
Up to 7 devices can connect using UDP. TCP/IP is a one to one connection format. PCs, MACs, Android and iOS are all compatible.

Where can I find compatible apps?
We keep up to date reviews on our news blog at www.digitalyacht.net – search on iOS or Android. Popular apps include iRegatta, iNavX, NMEA Remote, iAIS, NavLink, iSailor, SeaPilot, Weather 4D, MaxSea TimeZero, AIS View and literally 100s more

What is the difference between the WLN10 Smart and the old WLN10?
It's a complete new chipset with improved performance, fully opto isolated input and outputs, web interface for programming SSID, passwords and baud rate to make stocking and installing easier. It is also super competitively priced.

Are there other models in the series?
The new WLN30 will be available shortly with 3 inputs for more complex systems. Our SeaTalk to NMEA interface can also be used to offer SeaTlk connectivity and we will shortly release a NMEA 2000 adaptor

I already have a wifi router on board – can I connect the WLN10 Smart to an existing network?
Yes! You can program this through the web interface so you just have one wifi network on board with the WLN10 Smart linked directly to that as a client. This works well with Furuno WiFi radar installations

Tech Specs

Feature	
Power	• 8-32V • Average power consumption 60mA @ 12V DC
Interface	• WiFi – 802.11b/g/n • Support for up to 7 connected Wi-Fi devices • TCP and UDP connectivity • Internal wifi antenna
Physical	• 10.5 x 7.2 cm • Weight 100g • Protection IPx4 • Reset switch
Indicators	• Power • WiFi • Data/Status
Compatibility	• Wide range of free and premium apps for iOS, Android, PC & MAC • Integrate with charting, instrument and monitoring applications

Physical Dimensions

WiFi antenna is fitted internally

Side View

72mm

31.5mm

105mm

95mm (between centres)

View from Above

Ordering information:

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