DIGITAL YACHT

SAIL BOAT · MOTOR BOAT · SUPERYACHT · WORK BOAT · SPORT FISHING · COMMERCIAL FISHING

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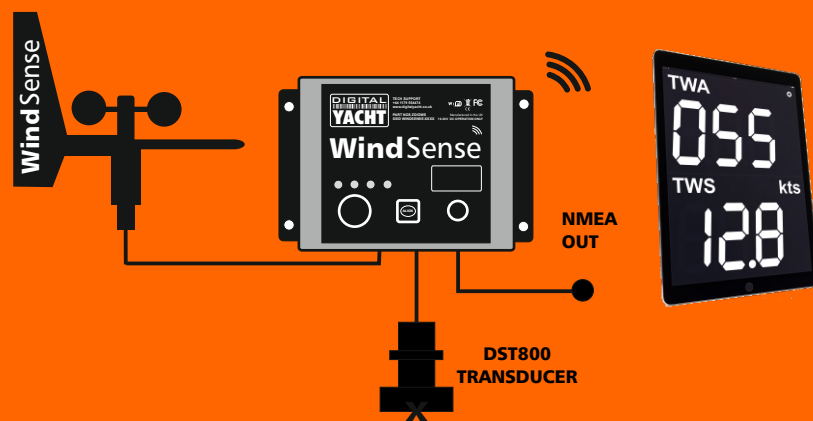
DIGITAL YACHT SOLUTIONS

System Ideas From Digital Yacht

Our growing product line now allows us to create "bundle" solutions for the latest in electronic navigation. In this issue we look at AIS Solutions where we can offer Class B/B+ transponders for multiple applications from jetski and tender tracking right through to iPad and tablet based navigation with our AIT5000

PC Solutions provide a powerful yet value based big screen navigation solution integrating our AIS and sensor products with Aqua Compact Pro and our Navionics based SmarterTrack software

iSeaSense is the systems approach for our range of instrumentation sensors which now includes GPS, depth, speed, wind and compass. These can now be integrated into NMEA 0183 and NMEA 2000 systems and provide a complete on board solution with tablet and PC connectivity too.

Welcome to Digital Yacht Solutions!

WindSense

WindSense

NMEA OUT

TWA
055
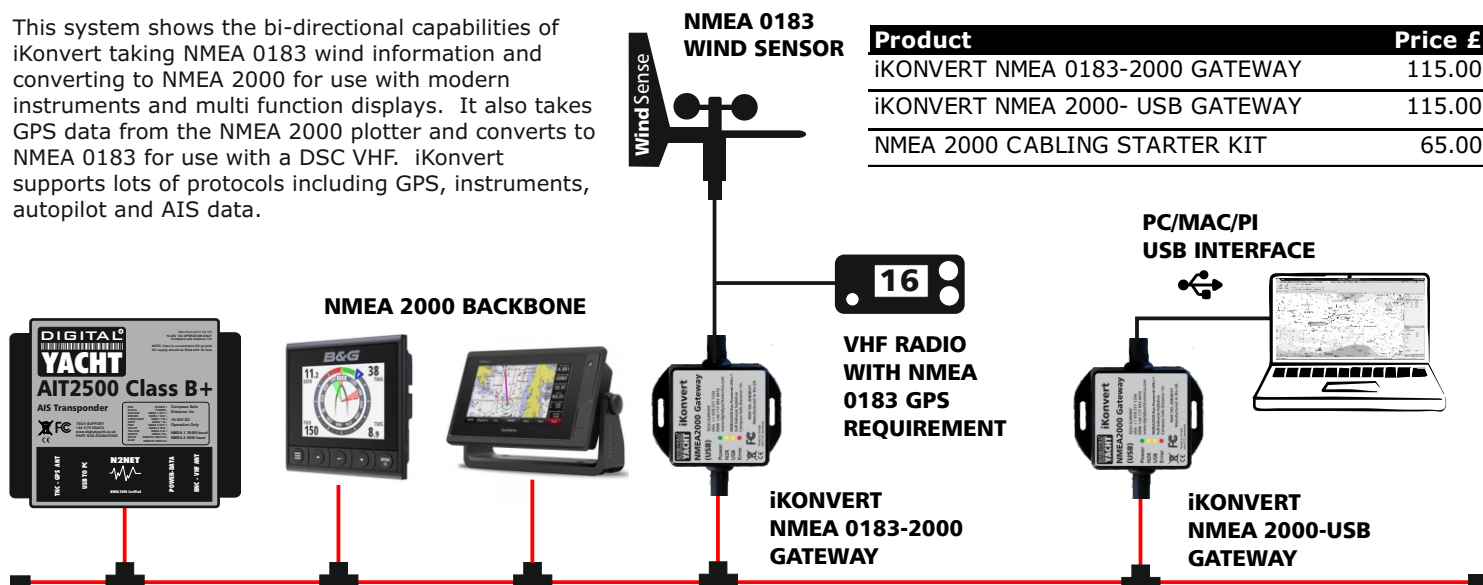TWS   kts
12.8

DST800 TRANSDUCER

JULY 2020

- **Data Conversion Systems**
- **Class B/B+ AIS Solutions - AIS for every application including portable AIS**
- **PC Navigation Solutions - Innovative PC based navigation**
- **4G Connectivity & Internet Access Afloat Solutions**
- **iSeaSense Solutions - Use your iPad & tablet for boat instrumentation**
- **VHF Solutions - Ideal for itegation of AIS radios to Digital Yacht transponders**
- **TriNav - GNSS Precision Positioning Systems**

Next Generation Navigation From Digital Yacht

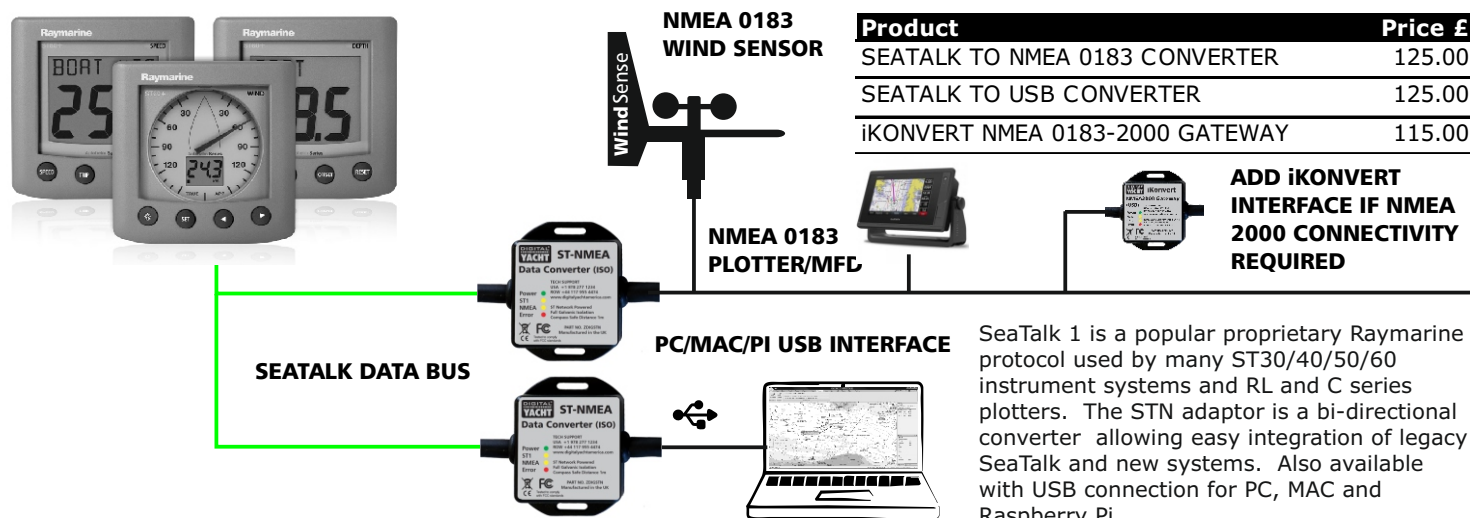# Call us on + 44 1179 55 44 74 www.digitalyacht.co.uk

Taking legacy system NMEA 0183 data and converting to NMEA 2000 and vica versa is a Digital Yacht speciality with iKonvert. It is a universal, bi-directional NMEA 2000-0183 certified gateway allowing older systems and sensors to integrate with new multi function displays and instruments and also allows conversion of NMEA 2000 data back to 0183. It's self powered from the NMEA 2000 bus and field programmable with simple internal DIP switches for a hassle free installation.

iKonvert NMEA 2000-0183 Bi-Directional Interface

This system shows the bi-directional capabilities of iKonvert taking NMEA 0183 wind information and converting to NMEA 2000 for use with modern instruments and multi function displays. It also takes GPS data from the NMEA 2000 plotter and converts to NMEA 0183 for use with a DSC VHF. iKonvert supports lots of protocols including GPS, instruments, autopilot and AIS data.

NMEA 0183 WIND SENSOR

NMEA 2000 BACKBONE

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VHF RADIO WITH NMEA 0183 GPS REQUIREMENT

PC/MAC/PI USB INTERFACE

iKONVERT NMEA 0183-2000 GATEWAY

iKONVERT NMEA 2000-USB GATEWAY

Product	Price £
iKONVERT NMEA 0183-2000 GATEWAY	115.00
iKONVERT NMEA 2000- USB GATEWAY	115.00
NMEA 2000 CABLING STARTER KIT	65.00

SeaTalk 1 to NMEA 0183 Bi-Directional Interface

NMEA 0183 WIND SENSOR

Product	Price £
SEATALK TO NMEA 0183 CONVERTER	125.00
SEATALK TO USB CONVERTER	125.00
iKONVERT NMEA 0183-2000 GATEWAY	115.00

NMEA 0183 PLOTTER/MFD

ADD iKONVERT INTERFACE IF NMEA 2000 CONNECTIVITY REQUIRED

SEATALK DATA BUS

PC/MAC/PI USB INTERFACE

SeaTalk 1 is a popular proprietary Raymarine protocol used by many ST30/40/50/60 instrument systems and RL and C series plotters. The STN adaptor is a bi-directional converter allowing easy integration of legacy SeaTalk and new systems. Also available with USB connection for PC, MAC and Raspberry Pi.
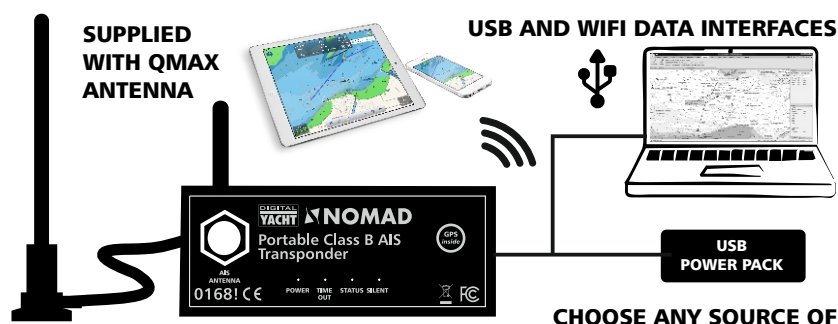
WLN10, WLN30 AND NavLink NMEA - Wireless Interfaces

WLN10 SINGLE INPUT NMEA0183 TO WIFI SERVER

Product	Price £
WLN10 1 INPUT NMEA0183-WIFI SERVER	125.00
WLN30 3 INPUT NMEA0183-WIFI SERVER	175.00
NAVLINK NMEA2000-WIFI SERVER	175.00

WLN30 THREE INPUT NMEA0183 TO WIFI SERVER ALL DEVICES ARE NAVIONICS AND MULTI APP COMPATIBLE

The WLN10 and WLN30 take NMEA 0183 data (configurable for 4800 and 38400 baud) and create a wireless data link for iPads, smart phones, tablets and PCs. The WLN10 has a single input (and output) and the WLN30 has three multiplexed inputs and a single output.

NMEA DATA FROM AIS TRANSPONDER

NMEA DATA FROM WIND SENSOR

NMEA OUT EG: PILOT

NavLink is a NMEA 2000 to wifi server. There are lots of NavLink integration examples later in this catalogue

Class B AIS Solutions

Nomad Portable Class B AIS Transponder

SUPPLIED WITH QMAX ANTENNA

USB AND WIFI DATA INTERFACES

USB POWER PACK

CHOOSE ANY SOURCE OF USB POWER
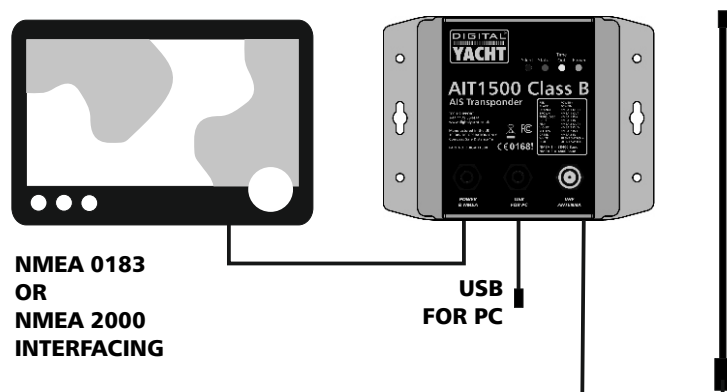
Nomad is a full function Class B AIS transceiver (transmit and receive) with built in wireless interface designed to allow iPads, tablets, smartphones and PCs to become a full function navigation device with a compatible app. It's self powered from any USB style connection so can be used with 3rd party USB battery packs, PCs or a simple USB 12V cord as a totally portable AIS transponder. With a built in GPS, it will provide the application with GPS and AIS data for real time navigation as well as transmitting AIS data to other nearby vessels.

Product	Price £
Nomad Portable AIS	525.00

AIT1500 Class B AIS Transponder

NMEA 0183 OR NMEA 2000 INTERFACING

USB FOR PC

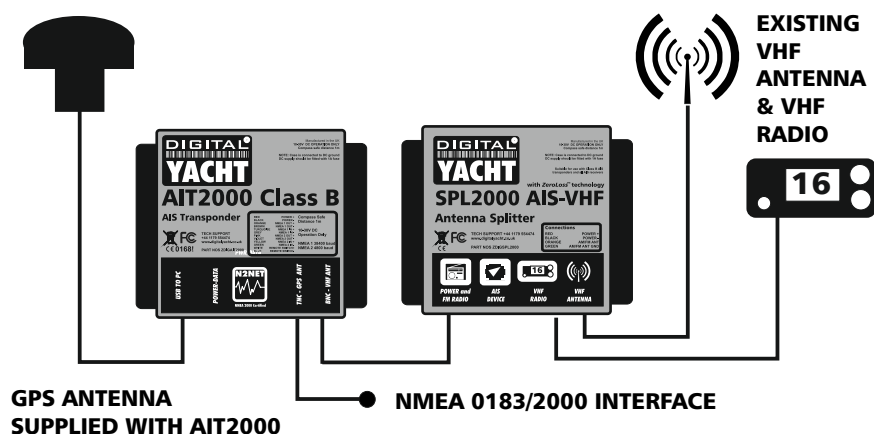**KS30 AIS ANTENNA OPTION OR USE SPL1500 AIS-VHF ANTENNA SPLITTER**

A simple, yet high performance Class B tranceiver with integrated GPS antenna. Ideal for use on board smaller vessels like RIBs, center consoles or even jetskis, tenders or kayaks. Choose from either a NMEA 0183 or NMEA 2000 interface.

Both models also have a USB interface. Matching SPL1500 VHF-AIS antenna splitter also available or just connect to a dedicated VHF/AIS antenna like the KS30 1m GRP whip.

Product	Price £
AIT1500 NMEA 0183	420.00
AIT1500 NMEA 2000	450.00
KS30 AIS ANTENNA	50.00
SPL1500 SPLITTER	200.00

AIT2000 Class B AIS with ZeroLoss VHF-AIS Antenna Splitter

EXISTING VHF ANTENNA & VHF RADIO

16

GPS ANTENNA SUPPLIED WITH AIT2000

NMEA 0183/2000 INTERFACE

The AIT2000 comes complete with an external GPS antenna so is suitable for mounting on all types of boat. It has NMEA 0183 and NMEA 2000 interfaces as well as a USB PC/MAC connection.

There is also a 2nd NMEA output to provide a GPS feed for a DSC VHF radio. The AIT2000 can also be fitted with a silence switch to mute transmissions.

The matching, patented, ZeroLoss SPL2000 allows the main VHF antenna to be shared with VHF and AIS or alternatively, just connect to a spare VHF antenna.

Product	Price £
AIT2000 Class B AIS	475.00
SPL2000 AIS-VHF ANT SPLITTER	225.00

AIT2000 Class B AIS with NavLink NMEA 2000 WiFi Gateway

The AIT2000 has a NMEA 2000 interface providing AIS data to network products such as instruments, plotters and multi function displays. Add NavLink, a NMEA 2000 to wireless gateway to the network and you can stream data wirelessly to compatible apps on iPads, tablets and smart devices.

The other outputs on the AIT2000 for NMEA 0183 can also be used concurrently

NAVLINK NMEA 2000 TO WIFI GATEWAY

3rd PARTY PRODUCTS

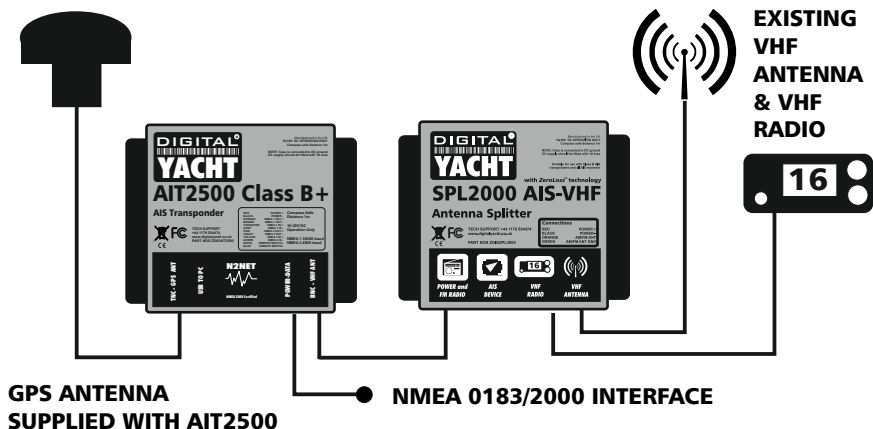| Product	Price £
AIT2000 Class B AIS	475.00
NAVLINK NMEA-WIFI GATEWAY	175.00

Class B+ is a new generation of AIS functionality based on SOTDMA (self organised TMDA) messaging rather than the simpler CSTDMA (carrier sense TDMA). It guarantees your AIS transmission will get a time slot, even in areas of very high traffic density.

It also specifies a 5W transmission power (compared with 2W for Class B) and a transmission rate that increases as the vessel moves faster. With regular Class B protocol, the transmission rate is fixed at every 30 seconds when the vessels is moving.

It's ideal for ocean sailors requiring the best possible performance, fast power boats and smaller non-mandated commercial vessels. Our new AIT2500 & AIT5000 transponders incorporate this latest technology.

AIT2500 Class B+ AIS with ZeroLoss VHF-AIS Antenna Splitter

EXISTING VHF ANTENNA & VHF RADIO

The AIT2500 comes complete with an external GPS antenna so is suitable for mounting on all types of boat. It has NMEA 0183 and NMEA 2000 interfaces as well as a USB PC/MAC connection.

There is also a 2nd NMEA output to provide a GPS feed for a DSC VHF radio. The AIT2500 can also be fitted with a silence switch to mute transmissions.

The matching, patented, ZeroLoss SPL2000 allows the main VHF antenna to be shared with VHF and AIS or alternatively, just connect to a spare VHF antenna.

GPS ANTENNA SUPPLIED WITH AIT2500

NMEA 0183/2000 INTERFACE

Product	Price £
AIT2500 CLASS B+	575.00
SPL2000 SPLITTER	225.00

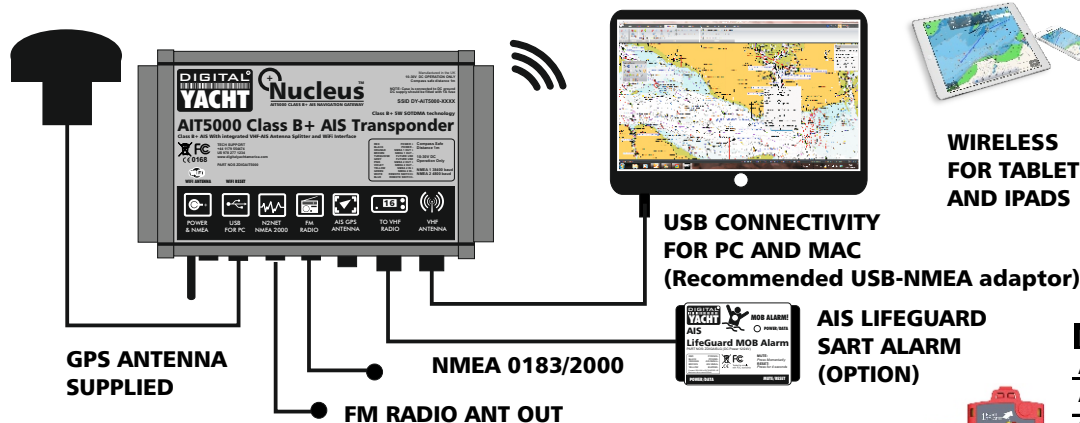## AIT2500 Class B AIS with NavLink NMEA 2000 WiFi Gateway

The AIT2500 has a NMEA 2000 interface providing AIS data to network products such as instruments, plotters and multi function displays. Add NavLink, a NMEA 2000 to wireless gateway to the network and you can stream data wirelessly to compatible apps on iPads, tablets and smart devices.

The other outputs on the AIT2500 for NMEA 0183 can also be used concurrently

Product	Price £
AIT2500 CLASS B+	575.00
NAVLINK WIFI GATEWAY	175.00
NMEA 2000 STARTER KIT	65.00

NAVLINK NMEA 2000 TO WIFI GATEWAY

NMEA 2000 BACKBONE

AIT5000 Class B+ AIS With Integrated Splitter & WiFi

WIRELESS FOR TABLETS AND IPADS

The AIT5000 is a sophisticated one box solution with Class B+ AIS transponder, VHF-AIS antenna splitter and built in wifi server for tablet and iPad connectivity. Stream AIS and GPS data wirelessly to connected devices. Optional LifeGuard AIS SART alarm can also be utilised (also compatible with the AIT1500/AIT2000/AIT2500)

USB CONNECTIVITY FOR PC AND MAC (Recommended USB-NMEA adaptor)

AIS LIFEGUARD SART ALARM (OPTION)

GPS ANTENNA SUPPLIED

NMEA 0183/2000

FM RADIO ANT OUT
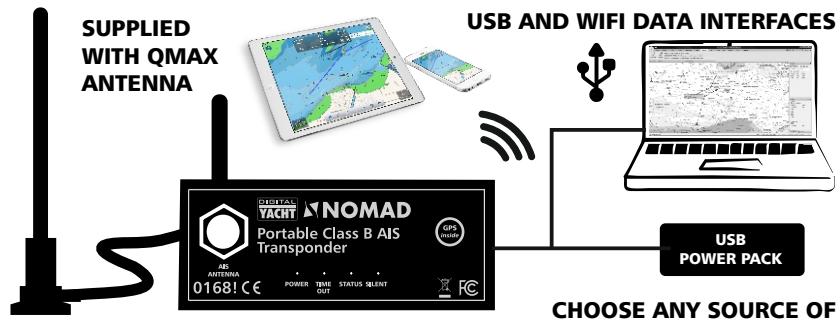
AIS LifeGuard MOB Alarm

LigeGuard attached to thje NMEA 0183 output of our transponders. When a AIS SART or AIS MOB signal is received or activated, it sounds a loud alarm and has a switch capability too

Product	Price £
AIT2500 CLASS B+	575.00
AIT5000 CLASS B+	895.00
USB-NMEA ADAPTOR	35.00
LIFEGUARD ALARM	150.00
MOB 100 AIS MOB BEACON	165.00
NMEA 2000 STARTER KIT	65.00

iPad & Tablet Navigation

This solutions guide has many systems integrating iPads and tablets with other marine electronic systems. However, on many boats an iPad or tablet may be the only item used for navigation. These AIS solutions with GPS and AIS overlays offer a complete stand alone system which many boaters find more than adequate. The Nomad portable solution is ideal for delivery skippers, charter boat users and owners of multiple small boats. It's also a great back up for larger yachts or even super yachts wanting a complete stand alone system for use in tenders or as a back up.

Nomad Portable Class B AIS Transponder

SUPPLIED WITH QMAX ANTENNA

USB AND WIFI DATA INTERFACES

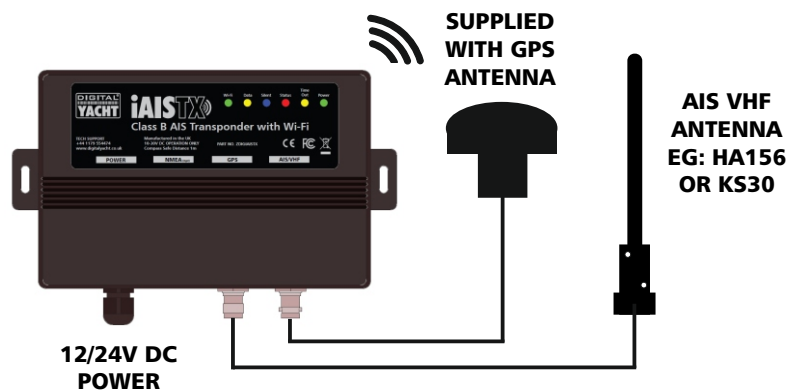**USB POWER PACK**

CHOOSE ANY SOURCE OF USB POWER

Nomad is a full function Class B AIS transceiver (transmit and receive) with built in wireless interface designed to allow iPads, tablets, smartphones and PCs to become a full function navigation device with a compatible app. It's self powered from any USB style connection so can be used with 3rd party USB battery packs, PCs or a simple USB 12V cord as a totally portable AIS transponder. With a built in GPS, it will provide the application with GPS and AIS data for real time navigation as well as transmitting AIS data to other nearby vessels.

Product	Price £
Nomad Portable AIS	525.00

iAISTX - Class B Wireless AIS Transponder

SUPPLIED WITH GPS ANTENNA

AIS VHF ANTENNA EG: HA156 OR KS30

12/24V DC POWER

iAISTX Plus has NMEA 2000 connectivity too

iAISTX is a full function Class B transponder with wireless interface for iPad and tablet connectivity. It is the perfect solution for a tablet navigation solution providing AIS and GPS overlays to a compatible app. It is designed for permanent installation aboard and is supplied with an external GPS antenna so can be installed on any boat. Just connect a suitable VHF antenna such as our HA156 or KS30 or even utilise a AIS-VHF antenna splitter like the SPL1500. The password protected, wireless interface connects seamlessly to the mobile device and is compatible with 100's apps such as Navionics, Weather4D, Sailgrib, Navlink, iNaVX, iSailor, AquaMaps etc. The iAISTX Plus model also has a NMEA 2000 interface.

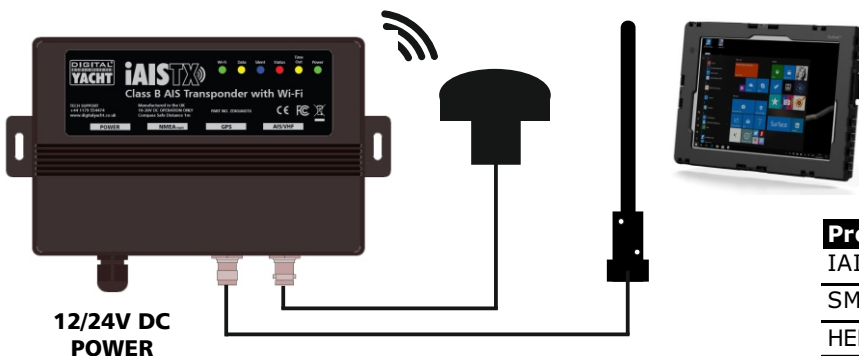| Product	Price £
iAIS TX CLASS B WIRELESS TRANSPONDER	420.00
iAIS TX PLUS (With NMEA 2000 output too)	520.00
HA156A COMPACT STUB AIS ANTENNA	50.00
KS30 1M AIS ANTENNA	50.00

GPS160 TriNav With Wireless Interface

GPS160 TRINAV GNSS

WLN10M WIFI GATEWAY

The GPS160 is a high performance GPS, Galileo & Glonass positioning sensor offering excellent accuracy and super fast outputs for smooth plotter tracking. It also "GPS" enables a tablet or iPad which doesn't have a built in positioning module and supports up to 7 connected tablets. For more information, see the dedicated GPS160 Solutions brochure.

Product	Price £
GPS160 WITH WIRELESS INTERFACE	225.00

Microsoft Surface Go Tablet Nav with iAISTX

12/24V DC POWER

It is also possible to utilise Windows tablets with our iAISTX & Nomad products. The new Microsoft Go is popular and has a high resolution 10.5" touchscreen. This device can run regular PC navigation programs such as SmarterTrack (with Navionics compatability) or even free programs like Open CPN. Waterproof cases are also available
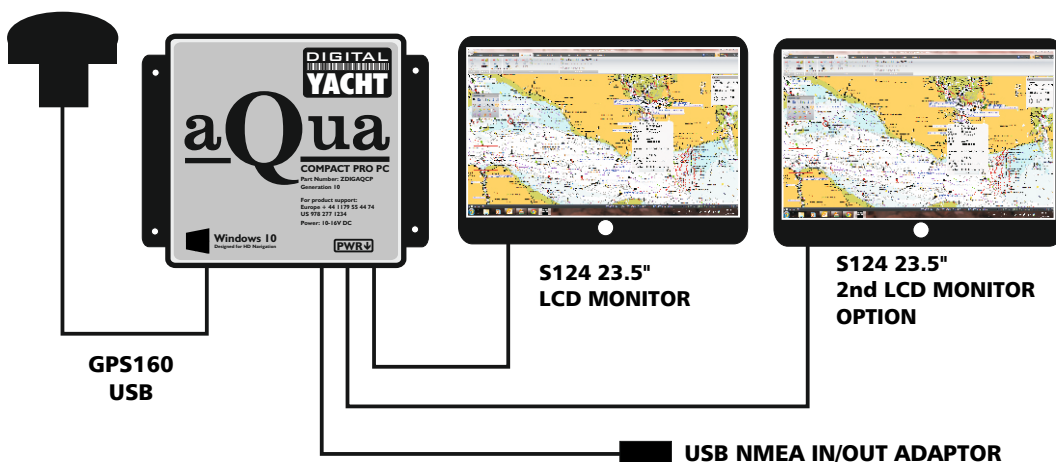
Product	Price £
IAISTX CLASS B WIRELESS TRANSPONDER	420.00
SMARTERTRACK PC NAVIGATION S/W	150.00
HELIFLEX AIS VHF ANTENNA	50.00

PC Navigation Solutions
Aqua PC Systems with Windows 10

DIGITAL YACHT SOLUTIONS

Easy PC Nav System with GPS

GPS160 USB

S124 23.5" LCD MONITOR

S124 23.5" 2nd LCD MONITOR OPTION

USB NMEA IN/OUT ADAPTOR
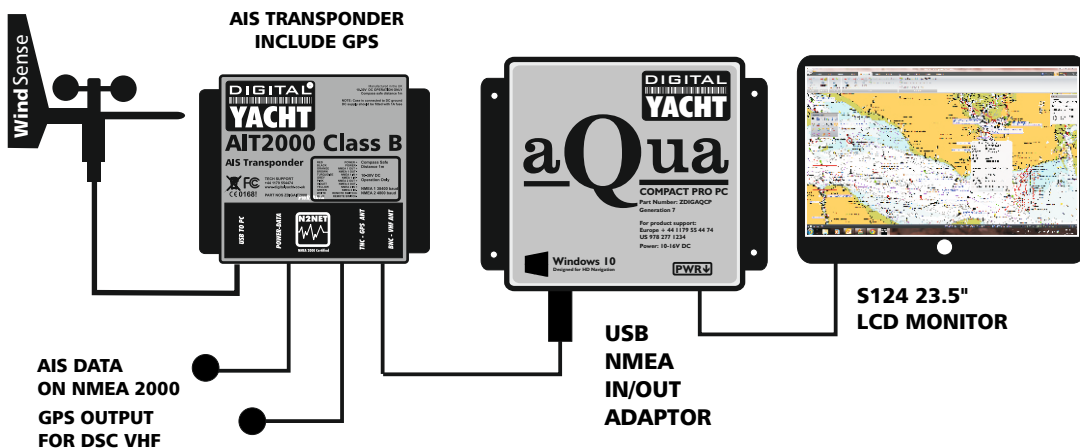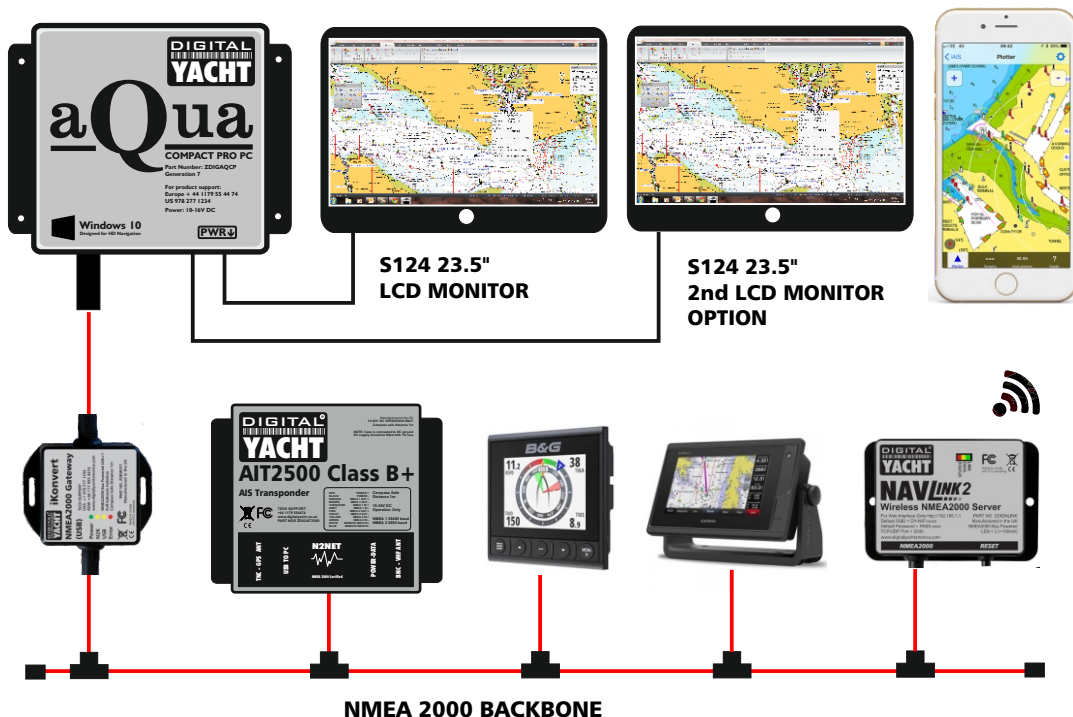
Digital Yacht's latest Aqua Compact Pro PC brings affordable and reliable PC based navigation to boats. With low power, DC operation, it boasts the latest Intel 10th generation technology - built in wifi and bluetooth and a solid state hard drive with 8GB RAM. SmarterTrack navigation software utilising Navionics charting can be preloaded for a sophisticated yet simple to use chart plotter system with 23.5" display (17" option also available). The GPS160 DualNav sensor provides GPS, GALILEO & GLONAS positioning inputs with typical sub 1m accuracy. Additional NMEA devices can connect via the USB NMEA adaptor.

PC Nav System with GPS, Wind & AIS Class B Transponder

Wind Sense

AIS TRANSPONDER INCLUDE GPS

AIT2000 Class B AIS Transponder

S124 23.5" LCD MONITOR

AIS DATA ON NMEA 2000

GPS OUTPUT FOR DSC VHF

USB NMEA IN/OUT ADAPTOR

This system builds on the basic package and includes AIS (Class B transponder) plus a WND100 wind transducer integrated too for wind speed and angle information. SmarterTrack software offers an advanced AIS display with colour coded targets and alarms for CPA and TCPA. The AIT2000 allows interfacing to traditional chart plotters with a NMEA 0183 and NMEA 2000 interface. There is also a GPS NMEA output for DSC VHFs. Second monitor option also available
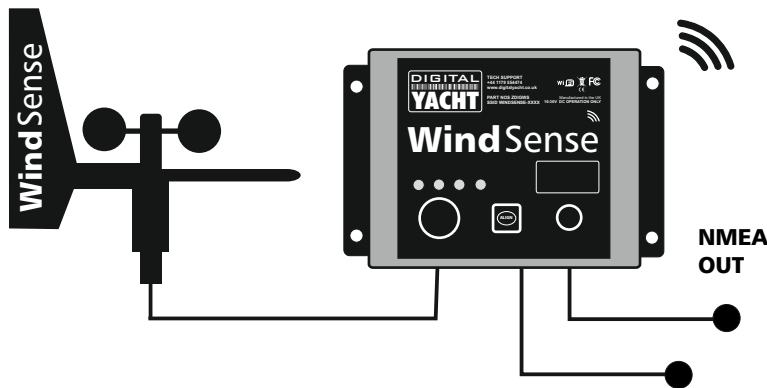
PC Nav System For NMEA 2000 Systems

S124 23.5" LCD MONITOR

S124 23.5" 2nd LCD MONITOR OPTION

This system integrates the Aqua PC with a NMEA 2000 network using Digital Yacht's iKonvert USB gateway. AIS, GPS and instrument NMEA 2000 data is made available with a bi-directional interface to the PC software application. This is a popular option it allows a small waterproof plotter to be mounted in the cockpit or flybridge and a full function PC system below deck. NavLink provides a wireless feed of NMEA 2000 data to independent iPads or tablets

iKonvert NMEA2000 Gateway

AIT2500 Class B+ AIS Transponder

B&G

NAV LINK 2 Wireless NMEA2000 Server

NMEA 2000 BACKBONE

Product	Price £
Aqua Compact Pro (i3)	925.00
Aqua Compact Pro + (i7)	1245.00
SmarterTrack Nav Software	150.00
S124 Monitor & Install Kit	695.00
GPS160 TriNav USB	165.00
NMEA 0183-USB Adaptor	35.00
iKonvert NMEA 2000-USB Adaptor	115.00
NavLink WiFi Gateway	175.00
AIT2000 Class B AIS	475.00
AIT2500 Class B+ AIS	575.00

Wind Pack

A great starter pack for any sailor looking to add wind instrumentation. WindSense has a very high quality mast head unit which is wired to the below deck wifi box - providing a feed for up to 7 connected devices

Utilise your tablet or smartphone as an instrument display with 100's compatible apps. NMEA output for traditional instrument displays and input for any compatible NMEA 0183 data

NMEA OUT

NMEA IN
(For any 3rd party system 4800/38400 baud)

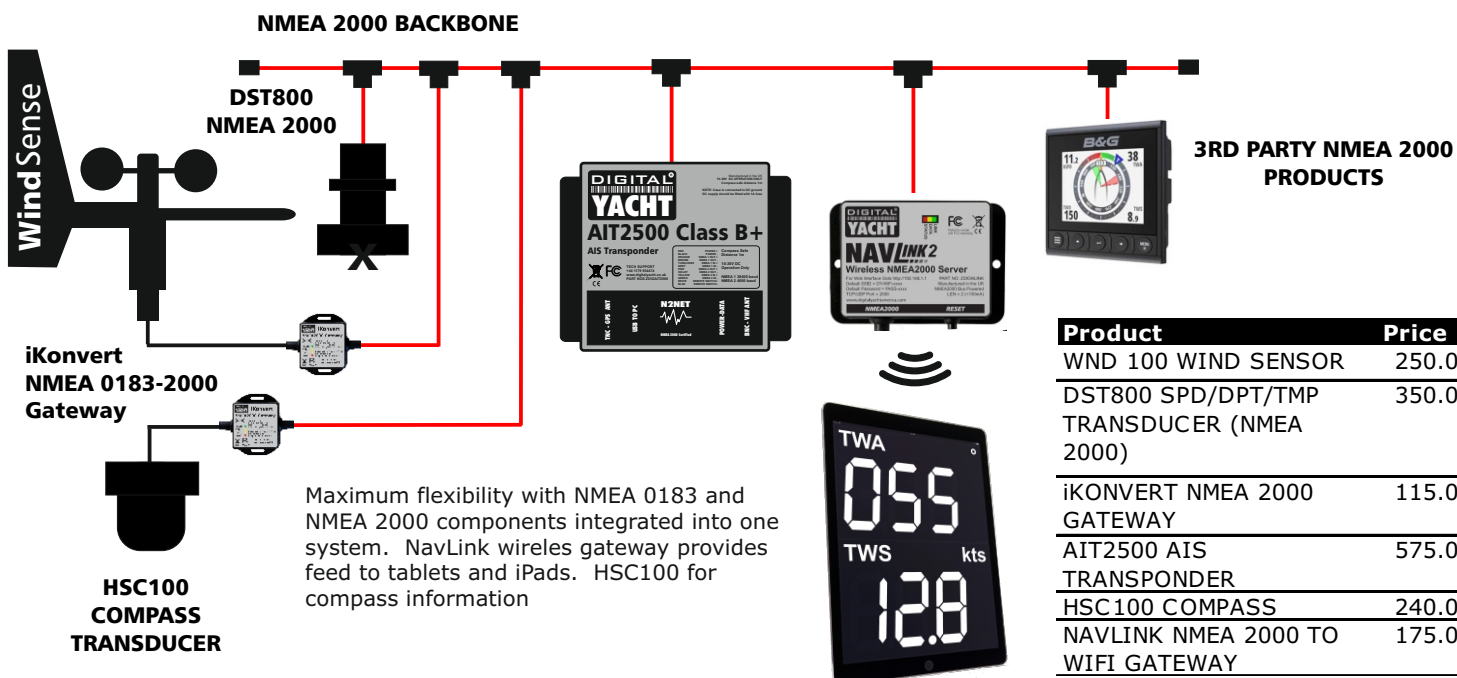| Product	Price £
WINDSENSE SYSTEM	375.00

Depth, Speed, Wind & Temp Pack

All the features of the Wind pack but with the addition of a smart depth/speed/temp transducer to provide a complete wind, speed, depth and temperature based solution.

With the addition of boat speed information, compatible apps can calculate true wind speed and angle as well as VMG.

Optional iKonvert interface to convert data to NMEA 2000

DST800 TRANSDUCER

NMEA 2000 OUT

Product	Price £
WINDSENSE SYSTEM	375.00
DST800 SPD/DPT/TMP	350.00
iKONVERT NMEA 2000 GATEWAY	115.00

Advanced integrated pack with AIS, GPS and Instrumentation

NMEA 2000 BACKBONE

DST800 NMEA 2000

3RD PARTY NMEA 2000 PRODUCTS

iKonvert NMEA 0183-2000 Gateway

HSC100 COMPASS TRANSDUCER

Maximum flexibility with NMEA 0183 and NMEA 2000 components integrated into one system. NavLink wireles gateway provides feed to tablets and iPads. HSC100 for compass information

Product	Price £
WND 100 WIND SENSOR	250.00
DST800 SPD/DPT/TMP TRANSDUCER (NMEA 2000)	350.00
iKONVERT NMEA 2000 GATEWAY	115.00
AIT2500 AIS TRANSPONDER	575.00
HSC100 COMPASS	240.00
NAVLINK NMEA 2000 TO WIFI GATEWAY	175.00

Internet Access Solutions
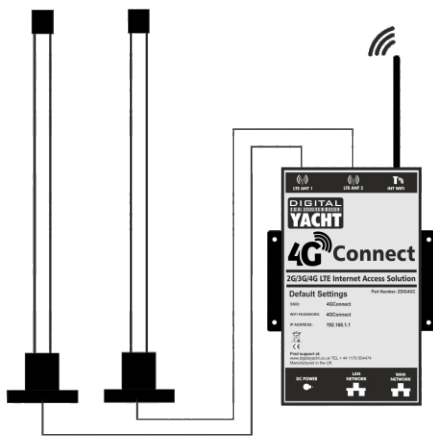
DIGITAL YACHT SOLUTIONS

4G Connect Standard LTE Internet Access Afloat

4G Connect is a new 2G/3G/4G (LTE) internet access solution for use afloat. It utilises the latest MIMO technology with dual antennas for fast, long range access and incorporates a full function wifi router so multiple devices can connect wirelessly. There is also a wired LAN port and WAN port - for connection to high power wifi devices or satellite modems.

4G Connect is available in two variants - The Standard model has built in antennas which will provide good performance when in port. The Pro model ships with two external hi gain antennas for exceptional long range performance and is the recommended solution for use afloat.

4G Connect has an easy to use interface and is SIM unlocked so users are free to use any cellular provider they choose. Both wired (LAN) and wifi interfaces are available for devcies to connect.

Operation is simple - turn on, connect to the password protected wifi hotspot that 4G Connect creates and your device is online.

4GConnect Standard System

4G Connect Pro LTE Internet Access Afloat

- All the features of 4G Connect plus supplied with 2 x high performance external 48cm antennas for optimum speed and range
- Recommended solution for offshore use and non GRP vessels
- 7m low loss LMR 200 cable kit included
- Supplied with deck base for antennas
- Optional 1" base adaptor available for antennas
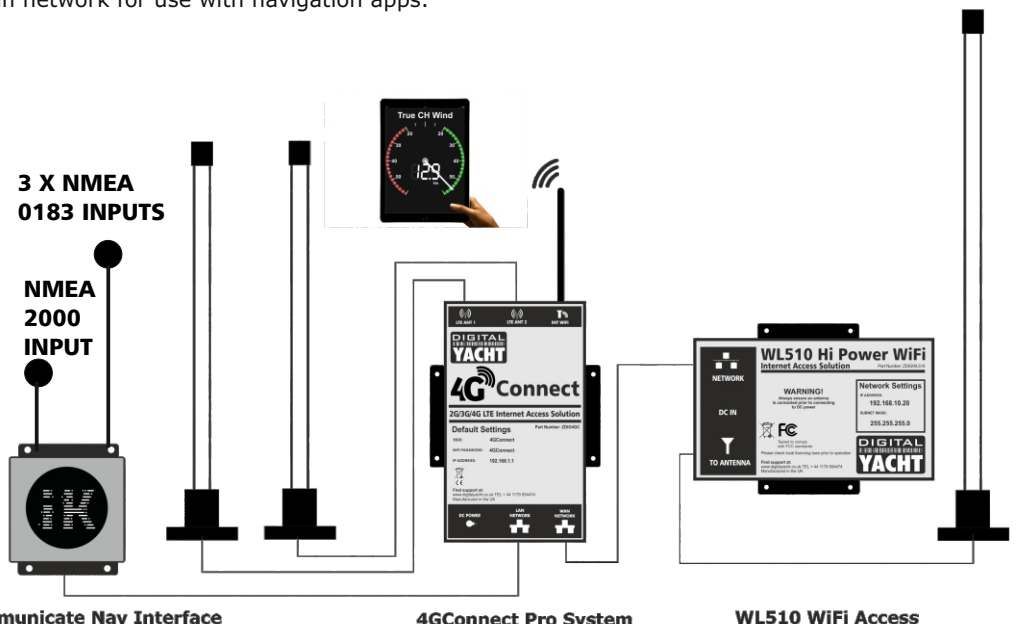- Optional 10 & 20m LMR400 assemblies

Product	Price £
4G CONNECT STD	325.00
4G CONNECT PRO WITH DUAL EXTERNAL ANTENNAS, BRACKETS AND 7M CABLE KIT	575.00
10M CABLE OPTION UPGRADE FOR PRO (LMR400)	150.00
20M CABLE OPTION UPGRADE FOR PRO (LMR400)	250.00

4GConnect Pro System

4G Connect Pro LTE With Hi Power WiFi & NMEA Interface
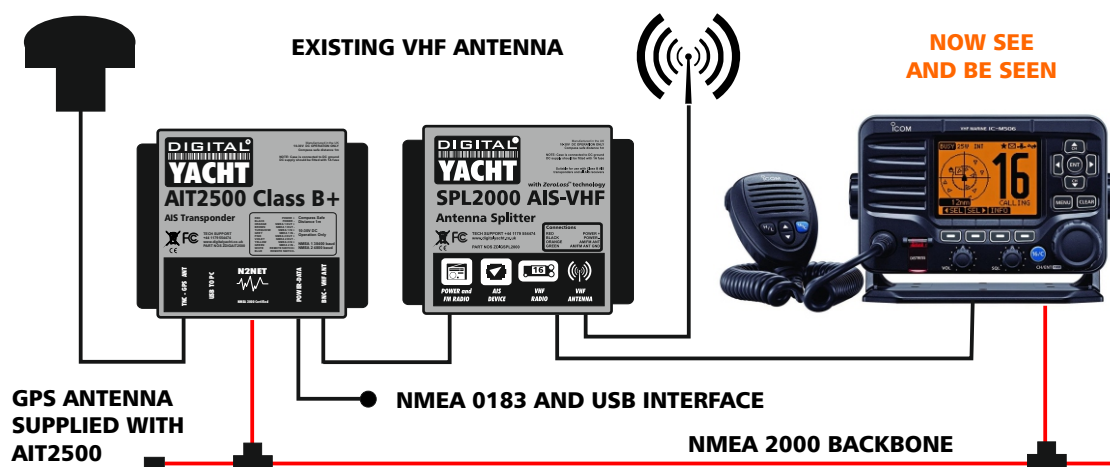
This solution integrates the WL510 hi power wifi system with 4G Connect allowing both LTE and wifi hotspot internet access

iKommunicate, our universal NMEA 0183, 2000 and Signal K interface can also connect to the LAN port providing boat NMEA navigation, instrumentation and engine data on the wifi network for use with navigation apps.

Product	Price £
4G CONNECT PRO WITH DUAL EXTERNAL ANTENNAS, BRACKETS AND 7M CABLE KIT	575.00
10M CABLE OPTION UPGRADE FOR PRO (LMR400)	150.00
20M CABLE OPTION UPGRADE FOR PRO (LMR400)	250.00
WL510 10M CABLE OPTION	495.00
WL510 20M CABLE OPTION	575.00
iKOMMUNICATE NMEA 0183/2000 NETWORK INTERFACE	220.00

3 X NMEA 0183 INPUTS

NMEA 2000 INPUT

True CH Wind

WL510 Hi Power WiFi
Internet Access Solution

iKommunicate Nav Interface   **4GConnect Pro System**   **WL510 WiFi Access**

AIT2500 Class B AIS with Icom M506/605 VHF

EXISTING VHF ANTENNA

NOW SEE AND BE SEEN

DIGITAL YACHT AIT2500 Class B+ AIS Transponder

DIGITAL YACHT SPL2000 AIS-VHF Antenna Splitter

ICOM

GPS ANTENNA SUPPLIED WITH AIT2500

NMEA 0183 AND USB INTERFACE

NMEA 2000 BACKBONE

- Add Class B+ AIS transponder capability to your Icom M506/M605 VHF
- Send and receive AIS data - see and BE SEEN
- Latest SOTDMA 5W technology ideal for high speed vessels
- Instigate a DSC call from targets viewed on the VHF
- Great value solution with no need for a second VHF antenna with SPL2000 splitter

The AIT2500 is Digital Yacht's latest SOTDMA 5W Class B+ AIS transponder. It can integrate with NMEA 0183 and NMEA 2000 systems. The Icom M506 is an AIS ready VHF which is normally supplied with an internal AIS receiver. Many boaters want AIS transmission capability too and the AIT2500 makes the perfect partner, upgrading the system to a full Class B+ 5W AIS transponder while integrating with the Icom VHF for easy DSC call capability to AIS targets and sharing AIS and GPS data via the NMEA 2000 backbone.

Thanks to NMEA 2000 connectivity, installation is simple. The addition of the Digital Yacht SPL2000 AIS-VHF antenna splitter also allows sharing of the VHF antenna so there's no

Latest Class B+ AIS transmit capability

The AIT2500 uses our latest Class B+ SOTDMA technology - this offers 2.5x transmit power of regular Class B plus a more frequent position update based on the speed of the vessel. Just like a commercial Class A transponder, SOTDMA technology also guarantees a transmission slot in areas of high AIS traffic.

No requirement for a 2nd VHF antenna

This solution includes the patented ZeroLoss SPL2000 VHF-AIS antenna splitter - allowing the main VHF antenna to be shared with the VHF and with the AIT2500. You don't need to install a 2nd VHF antenna which saves time and cost while preserving excellent performance thanks to the ZeroLoss technology

Full integration & interface with any system

The AIT2500 has NMEA 0183 and NMEA 2000 interfaces so will integrate with plotters and MFDs too. There's also USB for a PC or MAC and you can easily connect to a tablet or iPad for app navigation using the optional NavLink NMEA 2000 wireless gateway.

Great value & better features than a single box solution

Some manufacturers are now offering a VHF with integrated Class B transponder. However, a one box solution is a compromise. Digital Yacht & Icom are leaders in their respective technologies. The current generation of combination products don't use our latest SOTDMA 5W technology and also don't integrate a splitter - requiring extra cost and efforts of installing a 2nd VHF antenna. With a one box solution, upgrades to any part are more difficult and multiple products make for a more reliable solution - important for life saving communications technology.

FM Radio Output Too

The SPL2000 also features an FM radio (boat stereo) antenna output allowing the VHF antenna to not only be utilised with the VHF and AIS but also with an on board stereo. Ideal for RIBs and sports boats to cut down on antenna clutter.

Options

Add NAVLink for iPad & tablet connectivity

NavLink is a NMEA 2000 to wireless gateway - taking all the NMEA 2000 information on your boat's network and sending it wirelessly to iPads, tablets and PCs. Apps can then use this data for detailed overlays and integration. There are 100s apps which can use AIS and GPS data to provide overlays on detailed charts. The award winning Navionics app (for Android and iOS) now supports AIS and NavLink is fully supported. Navionics auto detects the data and provides an instant overlay of valuable AIS target data.

LifeGuard AIS MOB SART Alarm

Add the LifeGuard AIS SART alarm to alert you when an AIS MOB SART message is received - ideal for use as an MOB system using AIS SARTs like the MOB100. The MOB100 beacon can easily fit to a life jacket and will automatically activate on inflation - sending the casualty position via an AIS SART transmission.

Product	Price Ex Vat
Digital Yacht AIT2500	£ 575.00
Digital Yacht SPL2000	£ 225.00
Icom M506 VHF	£ 416.65
Digital Yacht NavLink WiFi Interface	£ 175.00
Digital Yacht AIS LifeGuard	£ 150.00
Digital Yacht MOB100 AIS SART	£ 165.00

GPS, Glonass, Galileo Positioning With TriNav Technology

The GPS160 is a new, high performance positioning sensor using GPS, Glonass and the new Galileo satellite systems. It provides exceptional position accuracy and redundancy. Typical accuracy is better than 1m. Data can also be set to output at up to 18Hz for smoother plotter track displays. TriNav™ software technology also improves positioning inaccuracy that could occur through spoofing and local interference.

It's super flexible in terms of interfacing so can be used to replace failing GPS sensors on legacy systems as well as integrating with the latest NMEA 2000 and wireless devices. The device has a variety of modes selectable through field programming. This includes single GNSS operation (eg Galileo only) as well as output configurations such as update rate, NMEA sentence structure etc.

The GPS160 with NMEA 0183 output can be configured for 4800, 38400 and 115200 baud rates. There's also a USB variant for PC, MAC and Linux. For NMEA 2000 systems, we offer a bundle with a Digital Yacht iKonvert NMEA 2000 gateway. This allows easy and flexible install via NMEA 2000 without the need for cumbersome drop cables.

The GPS160 also supports a simple external MOB (man-over-board) switch or device. When triggered, the GPS160 creates a "synthesised" AIS SART MOB message on its NMEA output. This can then interface with a local plotter to identify the MOB. Most modern plotters support this with a clear MOB icon. As well as instant bearing and distance data to navigate to the casualty.

Use as a NMEA 0183 sensor on legacy and commercial systems and benefit from TriNav performance

Connect to NMEA 2000 systems with our GPS160 plus iKonvert bundle pack

Replace broken Raystar sensors on legacy systems using our GPS160 and SeaTalk gateway bundle

Integrate via wireless for tablet and iPad navigation with our GPS160 plus WLN10 bundle pack

MOB waterproof switch panel. Connect multiple unit is parallel if required and when activated, the GPS160 will generate NMEA AIS MOB SART message

Key Features

- 72 channel GPS, Glonass and Galileo GNSS positioning receiver
- Typically sub 1m accuracy thanks to TriNav technology – combines all satellite data for optimum accuracy
- Can be configured as dedicated GPS, Glonass or Galileo only device
- Sophisticated anti-spoofing algorithm for robust positioning performance and interference rejection
- Available in NMEA 0183, NMEA 2000 (with iKonvert interface)and wireless (with WLN10SM) variants
- GPS160USB also available with USB connection for PC/MAC
- User/field selectable 4800, 38400 and 115200 baud operation through simple internal DIP switches
- Multiple formats of NMEA data output including datum information – user configurable through internal DIP switches
- Up to 18Hz update rate (user selectable)
- Ultra low (<20mA) power consumption at 12V DC
- Input for MOB switch/system – when activated generates synthetic AIS MOB NMEA output to activate MOB position on plotter
- Professional system (ECDIS) support with datum sentence structure (DTM/GBS/GNS/GRS/GSA/GST)
- Puck installation or fits 3rd party industry standard 1" x 14TPI threaded mount

GPS160 USB Version

The GPS160USB takes power from its USB source and is compatible with PC, MAC and Raspberry Pi/Linux systems. Supplied with 5m cable. Unit can be programmed using internal DIP switches.

Product	Price £
GPS160 TRINAV WITH NMEA 0183 OUT	125.00
GPS160 WITH STN SEATALK ADAPTOR	225.00
GPS160 WITH NMEA 2000 ADAPTOR	225.00
GPS160 WITH WIFI INTERFACE	225.00
GPS160 USB	165.00
GPS160 MOB SWITCH PANEL	25.00