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# Focus: New PC Solutions With NMEA 2000



Integrate with  
NMEA 2000  
via the iKonvert  
USB gateway



We've just introduced our latest generation of Aqua PCs. Available in i3 (Aqua Compact Pro) and i7 (Aqua Compact Pro Plus) versions, they offer super fast, reliable and low power PC solutions for the marine industry. They are DC powered (8-17V DC or 24V option) and feature the latest SSD solid state disk technology with 8GB fast RAM. They also have built in wifi and bluetooth and support for multiple monitors.

Also new is our S124 23.5" LCD monitor - featuring 1920 x 1080 pixel resolution and ideal for chart table of inside helm mounting.

These packages allow a super competitive, next generation navigation solution to be built with full integration with the boat's NMEA 2000 network.

Use a PC for navigation, communication and entertainment - it's the true multi function device for your boat. You can also install multiple charting and navigation applications to suit your precise needs. Find out more inside...

# DIGITAL YACHT UPDATE

## July 2020

NEW Solutions! Aqua Compact Pro PC with new 23.5" S Series Monitor

NEW Product! JB1 Power and NMEA 0183 junction box for easy cable connections

NEW Special Offer! Upgrade to next generation navigation with our NavLink bundle pack

**Stay Safe! We're Open & Working Safely Despite The Corvid Pandemic**



## A simple solution for power and NMEA 0183 interfacing

Lots of systems still use NMEA 0183 for connectivity. It's a simple two wire system but there's no standard colour codes or connector type which means installers need to design their own solution. NMEA devices that transmit data are called "talkers" and they connect to devices that receive data - "listeners." Put another way, NMEA OUT goes to NMEA IN. With a plus and minus polarity for NMEA data, it involves two wires and while a talker can broadcast to multiple listeners (typically up to 5 devices), two talkers can't connect together without using a specialist multiplexer.

A typical installation would be connecting an AIS transponder to a plotter. The NMEA out from the AIS would connect to the NMEA input on the plotter. If you need to add wifi connectivity for an iPad or tablet, then our WLN10SM could also connect to the NMEA output of the AIS. Some devices may have multiple NMEA outputs - one at 4800 baud for traditional instruments and one at 38400 baud for AIS. These both require their own dedicated wiring.

The new JB1 junction box from Digital Yacht is a simple, easy to install solution for NMEA 0183 and power connections. It uses a patented spring lock terminal system from Wago allowing various sized cables to be connected and joined in seconds.

### NEW For July

#### JB1 NMEA & Power Junction Box

**Part Number:**

**ZDIGJB1**

**UPC:**

**703791696161**

**Availability:**

**July 2020**

**Price:**

**£20/€25/\$30**



**No solder and no screws  
Fits in seconds**



The internal connections use a patented Wago system - the two way joining blocks measure just 12 x 18mm and can be removed to aid inserting thin and fiddly cables. Open the lever, insert the cable and snap shut for a reliable insulated connection.

- Easy solution for NMEA 0183 and 12/24V DC power connectivity
- Compact, waterproof junction box - measures just 105 x 70 x 35mm
- Three inlet glands - more glands can be added if required.
- Supplied with two x 3-way Wago junction blocks (recommended for positive and negative power connections) and six x 2-way (recommended for NMEA)
- Simply lift lever and insert cables into the block and snap shut for reliable connections
- Accepts cable from 0.25mm to 4mm - smaller cables can also be twisted together
- Wago connectors mount onto internal base using supplied velcro pads allowing connections to be easily completed and then fixed in place before assembly of the case
- Can be made waterproof to IPX6
- Includes 1m power input cable

#### NMEA TEST LED

We're including a simple test LED and handy guide to testing on NMEA 0183 based systems with every JB1 junction box. Quickly establish that data is being outputted and even take advantage of our free NMEA View program which can be used with our USB-NMEA interface cable (ZDIGUSBNMEA)

**Two (x6) and three (x2) way connector blocks supplied in package**







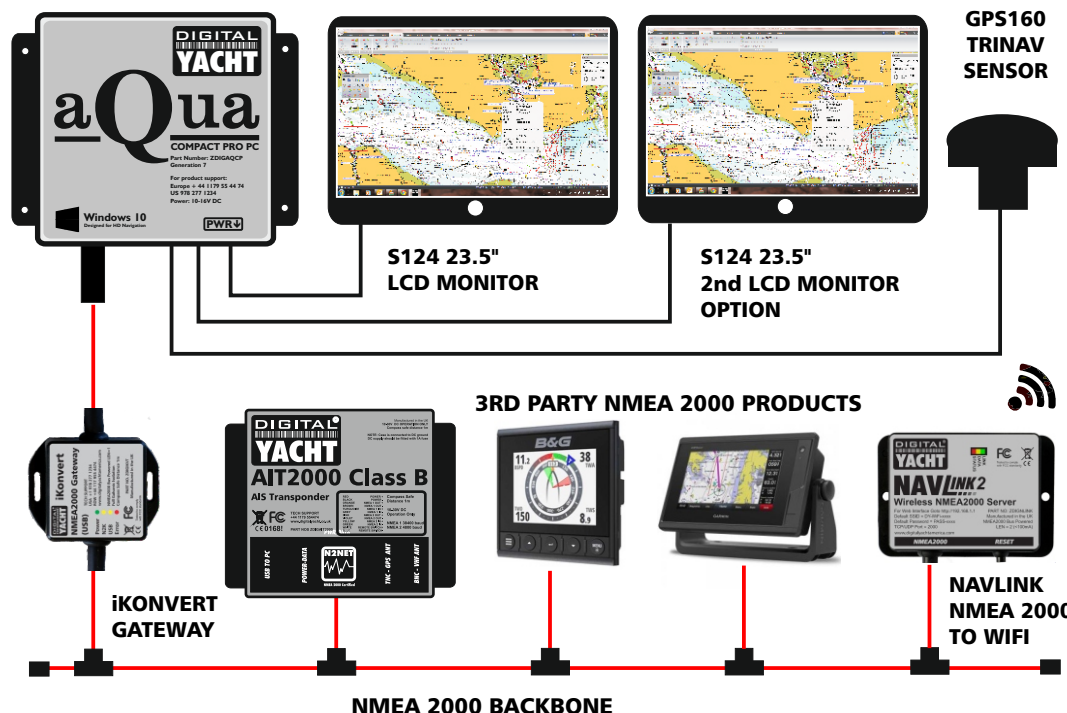
# New PC Navigation Solutions With NMEA 2000 and AIS

**DIGITAL  
YACHT SOLUTIONS**

## Aqua PCs and NMEA 2000 Integration With NEW 24" HD Monitor Option

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 a 23.5" display (17" option also available). The GPS160 TriNav sensor provides GPS, GALILEO & GLONAS positioning inputs with typical sub 1m accuracy. The USB version can connect direct to the PC and the application software can switch between NMEA 2000 backbone information or direct from USB for added redundancy and reliability.

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. Great value, next generation navigation solutions from Digital Yacht


**NEW  
\$124 23.5"  
LCD MONITOR**


The new S124 is a 23.5" 1920 x 1080 pixel HD monitor supplied with a DC connect pack (8-17v DC, 24V option) and suitable for flush mounting below decks. It can also fit a standard VESA mount. It measures 56 x 35cm and has HDMI, DVI and VGA inputs. Rear panel projection is just 3cm so it requires minimal depth for mounting

Product	Price/£
Aqua Compact Pro (i3)	950.00
Aqua Compact Pro + (i7)	1245.00
SmarterTrack Nav Software	150.00
S224 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



# iPad & Tablet Navigation With Easy NMEA Interfacing

**Next Generation Navigation Nav Pack Now Available**

**You've got this...**



Next generation navigation is all about integrating iPads and tablets into your boat's system. Break away from proprietary systems and take advantage of the easy touch screen interfaces these devices offer and the vast array of charting and navigation apps with more detailed and specialist charts. Why pay £1000s for an extra display when you can do so much more for less?

The good news is your existing plotter almost certainly has a NMEA 2000 interface and with Digital Yacht's NavLink gateway, you can wirelessly integrate data from this network onto the latest consumer devices.

## Now Get This!

**Next Generation Nav on Your Tablet or iPad  
20% Saving For July**



**Open up your  
boat to the world of  
apps and tablet navigation**



**NMEA 2000 BACKBONE**

- NavLink - a certified NMEA 2000 to wireless gateway
- Creates a password protected local wifi network on your boat with all the connected NMEA 2000 data such as GPS, AIS, instruments, engine data etc
- Works with all the leading NMEA 2000 system brands such as B&G, Lowrance, Furuno, Raymarine, Garmin, Simrad, Humminbird etc
- Allows real time navigation on thousands of apps and hundreds of different chart formats - you're not stuck with expensive proprietary charts!
- Powerful processors in tablets and smart devices deliver super fast panning and zooming - choose too from portrait or landscape format
- Order a NMEA 2000 starter kit and NavLink gateway online and use coupon NGN20 for a 20% saving - just £192 plus vat

**Next Generation  
NAVIGATION PACK**



Everything you need to complete a NMEA 2000 wireless network. The cabling kit will allow you to build an onboard NMEA 2000 network for up to 3 devices and the pack includes NavLink - a NMEA 2000 to wireless gateway for iPad, smart phone, tablet and PC connectivity for the latest apps and charting options.



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