



Integration of electrical & electronic systems

Next-generation multiplexing technology for vehicle developers and boat builders.



E-PLEX

Bespoke User Interface Designs, Simple Two-Wire Bus & Fast Implementation

The integration of all electronic systems into a common shell with the ability to distribute the information simultaneously to strategically located control and monitoring stations is becoming the standard rather than the exception.

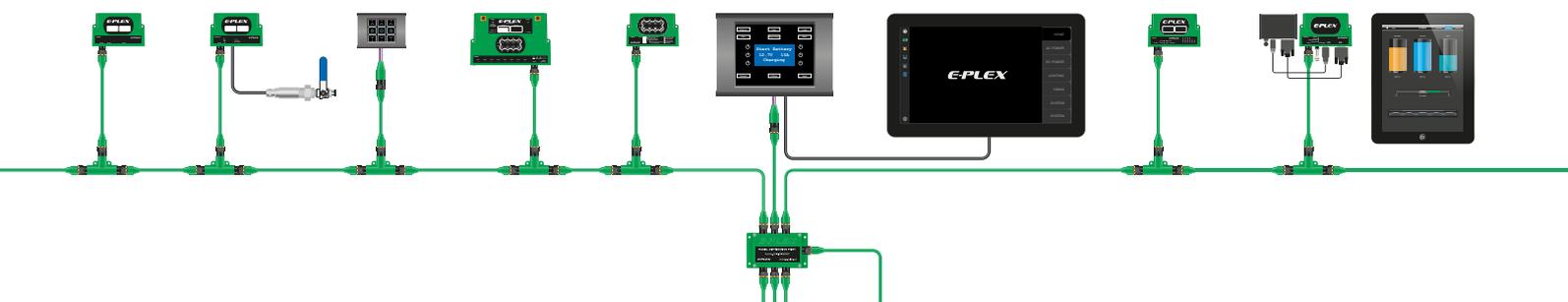
E-Plex is the next-generation multiplexing technology for vehicle developers and boat builders.

The E-Plex product line is comprised of intuitive user interfaces, power distribution modules, machine interface modules, sensors and software. These components electronically connect engines, generators, lighting, HVAC,

audio/video and other equipment. The result is a seamless monitoring and control solution with dramatically increased system functionality.

Powered by a patented multiplexing technology that allows power and data to be transported over a simple, two-wire bus, E-Plex offers scalable, flexible solutions at competitive costs.

With distinct advantages in hardware, software and user interfaces, E-Plex enables simple and cost-effective system integration. E-Plex offers a total system solution that can be brought to market very quickly offering unmatched value.



Product Range

Intuitive user interfaces, power distribution modules, machine interface modules, sensors and software.

Electronic Control Modules (Clock Modules)

Electronic control modules are the heart and brain of the system. They power the Bus network enabling many modules to operate without a separate power supply. They also hold the main program and initiate and control the communication between all the modules.

Display Interface Modules

The system offers a range of display interface modules providing full colour touch screens with multiple pages and connection to Apple and Android touch screen devices.

Switch Interface Modules

E-Plex has a range of switch interfaces for users. From simple but flexible rocker switch arrays, through multi touch region backlit touch switches. E-Plex also interfaces to market leading third party products such as EnOcean wireless light switches.

Digital I/O, DC Power & Motor Modules

A selection of DC power control modules can be used to integrate switched DC power to external devices and systems, the modules can also be configured to act as digital inputs from external DC systems.

Engine & Equipment Modules

A range of open and dedicated control modules exist covering CAN protocol to communicate with engine controllers and other management systems and a dedicated range of Victron modules to provide a seamless integration of their product line.

Tanks & HVAC Modules

E-Plex provides a range of pressure and resistive tank sender modules to integrate, fuel water and other tanked liquids into the system for monitoring and control, temperature and other environmental sensors are also available.

EP3 Cable System

E-Plex EP3 'plug and play' bus connection system is a durable waterproof cable that's simple to install requiring no tools, also available is a seven way distribution point module. To bridge between two independent E-Plex systems we supply a bridging module.

AC Power & Lighting Modules

A range of AC distribution and control modules are available to allow power, monitoring and control of your AC systems and provide integration into E-Plex.

DC Power & Relay Modules

We also offer a range of Volt free relay modules for control of clean contact devices and DC power switching, also DC distribution boards with battery isolation and monitoring.

E-Logic Software

E-Logic is a software program used to design, configure, and test E-Plex systems. E-Logic Software is compatible with Microsoft Windows 7, 8.1 and 10 (32-bit & 64-bit).

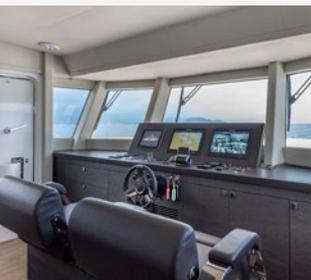
E-Plex - System Examples

Marine Systems

Modern boats, whether they are production or individual builds need sophisticated power and monitoring solutions in order to integrate onboard systems in a seamless and intuitive way. Boat owners are increasingly looking for stylish, informative, easy to use interfaces that allow them access quickly and easily all the functionality of their boat.



Numarine - System Example



With the introduction of the 26XP series Numarine once again wanted to use the effective, reliable and flexible E-Plex system they had incorporated into other lines. Overall, the 26XP E-Plex system provides control and monitoring from one touchscreen panel and an iPad interface, giving mobile as well

as static visuals for a wide range of elements from generators to batteries to bilge pumps. The system also includes sophisticated lighting control. However, as with all Numarine builds, 26XP owners have the opportunity to submit specific requests at build stage for their interfaces and controls.

Vehicle Systems

Specialist vehicles builders have seen the power of E-Plex by integrating their power and monitoring systems in one easy to use, innovative system. With the ability to easily incorporate the modular system during build, vehicle designers can easily install E-Plex modules using their own staff; and the design of the screens can mirror their brand and style.



Sovereign - System Example



A long standing customer of E-Plex technology, Sovereign have built a range of horseboxes using the multiplexing technology to deliver high end technology to their discerning customers. Within the horseboxes the E-Plex system controls the majority of the domestic power requirements via the main

control panel, and via the remote iPad control. The control panels have numerous screens, all branded as needed, and allow pre-programming and on-going monitoring of all elements of the system.





Worldwide Dealer Network

We have a worldwide network of dealers with experience in servicing, designing and installing E-Plex systems. View full dealer list at: e-plex.co.uk/worldwide-dealer-network



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