

Wired Ocean S-Box

S-Box

The S-Box (Satellite Broadband Server) is at the heart of the Wired Ocean system. It connects the vessel to the internet, and seamlessly manages integration of the Wired Ocean service with the vessel's communications systems. It has everything needed to make internet connection easy, and secure, without installing software on the vessels computers.



Internet Access

- Enables internet sharing for connected computers
- 'One click' internet connections
- Incorporates a DHCP server to assign IP addresses
- Real time usage monitors and usage reporting facility

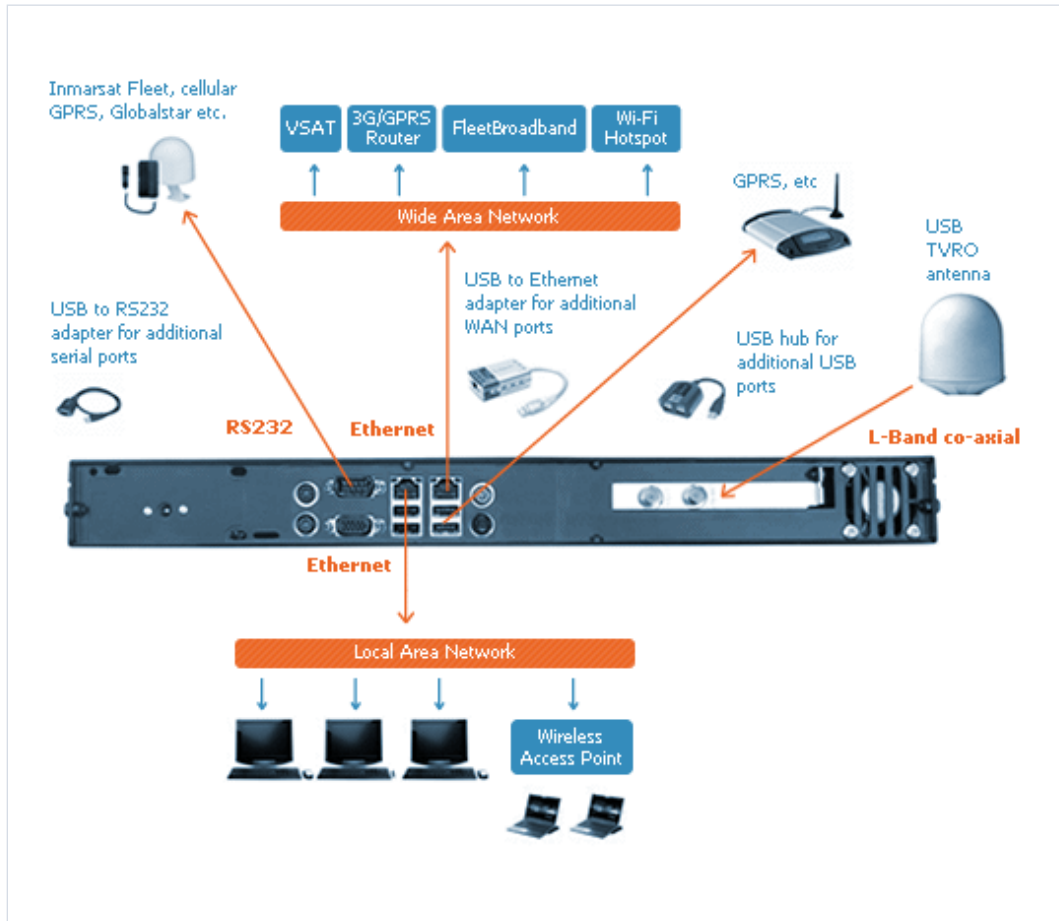
Data Optimisation

The S-Box incorporates state of the art performance enhancement systems that work in conjunction with Wired Ocean's network operations hub to make your internet connection even faster and deliver large savings in the data volumes transferred.

- Real time lossless compression automatically minimises data transferred whilst still delivering original quality at the receiving end
- Unnecessary handshaking is removed to minimise latency (processing lag or time delay)
- Caching of received web pages allows unchanged data to be delivered from the S-Box instead of being brought down over the satellite

Communications Equipment Management

- Multiple data communications terminals can be connected and managed with a single click
- Any number of mobile satellite, cellular, Wi-Fi or VSAT terminals can be connected to the S-Box and controlled via the S-Box user interface



Simple web-page interface

The S-Box is managed through a standard web page, and can be accessed from any connected computer. Simple drop-down menus mean that the S-Box can be operated with ease, and different communication channels and options may be chosen at the click of a button. This allows users to choose the most cost-effective uplink for any Wired Ocean connection.

Robust and secure

Designed specifically for the marine environment, the S-Box has proven its reliability in the harshest of conditions, and reliable and robust operation is further assured thanks to the Linux operating system. Communications through the S-Box are sent via a VPN tunnel protected by industrial strength encryption. This provides a high level of security for the data as it passes over the internet and protects the connected networks. Further protection is provided by the S-Box's built in firewall.

Never out of date

Wired Ocean maintains an ongoing schedule of updates and improvements to its system and, because the S-Box can be upgraded 'over the air', every S-Box always has access to the latest service improvements and product updates for new communication equipment. This means that wherever the vessel is, the S-Box can always benefit from the latest developments.

Remote Monitoring

The Wired Ocean system also incorporates a remote monitoring and diagnostics capability backed up by high quality technical support. Together these provide excellent support for installation and testing as well as fast fault alerting and advanced customer care for operational units.