

SeaHub

SeaHub Surface Interface Module

Features

- USB 2.0 interface connection to host all Tritech survey sensors and sonars.
- AC or DC power supply
- Software selectable communications hardware
- LED status indicators for power supply and selected communication mode
- Extended USB and serial port connections for Tritech and third party devices.

Applications

- A must have component for any Laptop user who requires an all-in-one survey solution



SeaHub (above) the USB successor to the SKIM-100 Interface Module (to the right)



The all new SeaHub Surface Interface Module is a highly versatile product, which allows any customer to interface Tritech or third party survey equipment via a USB 1.1 / USB 2.0 connection on their own PC or Laptop computer. Furthermore, the unit provides additional USB and serial ports to give instant access to storage devices, GPS or other ancillary sensors.

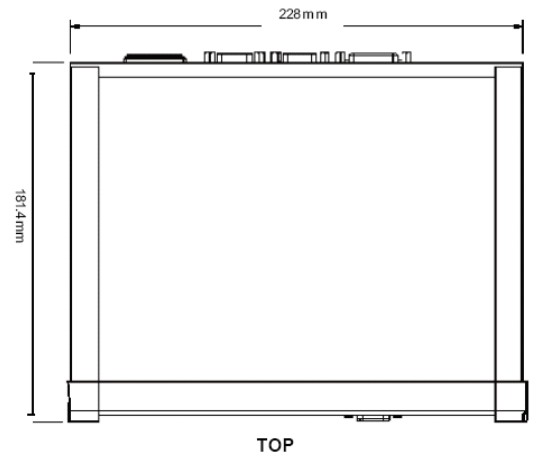
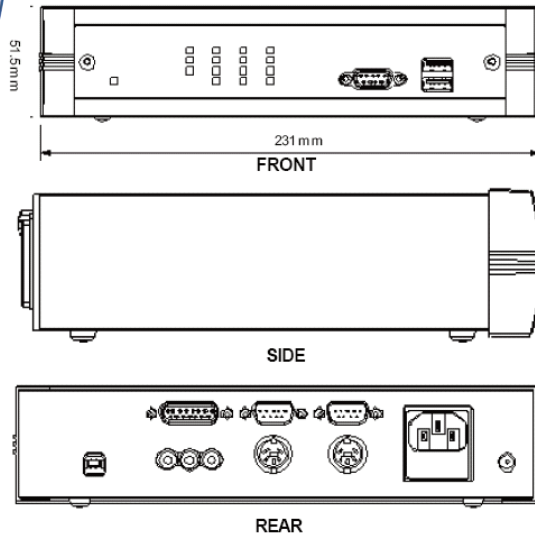
The equipment interfaces are software configurable to drive long lines with ArcNet or RS485 as required by the individual sensors and RS232, RS422 or TTL via multiplexer channels.

The unit may be mains or DC powered. If mains powered then a 28VDC (factory preset variable up to 36VDC) output is available to power connected equipment, for example, sidescan sonars. If DC powered the output DC is a fused extension of the input supply. Head connections can be made via an AIF compatible 15 pin D connector, a 9 pin serial, or a 6 pin specially configured Tritech DIN connector.

Front panel diagnostic LEDs show interface ports in use and their status. The SeaHub is fully compatible with Tritech SeaNet Pro software suite.

For traditional users requiring the ergonomic feel good factor of hardware controls provision is made for connection of the standard Tritech RAT (Remote Access Terminal).

Specifications



Electrical power input 90 – 264V AC, 47-63 Hz, IEC Female Connector or 12 to 36VDC

Electrical power output (mains powered) 28VDC or (DC powered) fused extension of input supply (jumper options for 5VDC or 12VDC)

Ports (fully software configurable)

- PC interface via USB 2 port (cable supplied)
- 2 x Extension USB ports
- 1 x AIF compatible 15 pin D connector (ARCNET, RS232, and TTL options)
- 4 x serial port
- Port A (RS232 + Handshaking or RS485) 9 pin D
- Port B (RS232 or RS485 or RS422) 9 pin D
- Port C (RS232 or RS485 or ArcNet +DC power) 6 pin specially configured Tritech DIN
- Port D (RS232 or RS485 or ArcNet +DC power) 6 pin specially configured Tritech DIN
- RAT connection 9 pin D

Mechanical Specification

Width - 231mm
Height - 52mm
Depth - 182mm
Weight – 1.3Kg

Materials – Painted Aluminium, Matt Anthracite Textured Finish

Environmental specification

Operating Temperature Range -10°C to +35°C

Storage Temperature Range -20°C to +50°C

N.B. The SeaHub module housing is not IP rated for use in exposed conditions in close proximity to water.

All specifications are subject to change in line with Tritech's policy of continual product development.

Ref: EDS-CAI-004.2