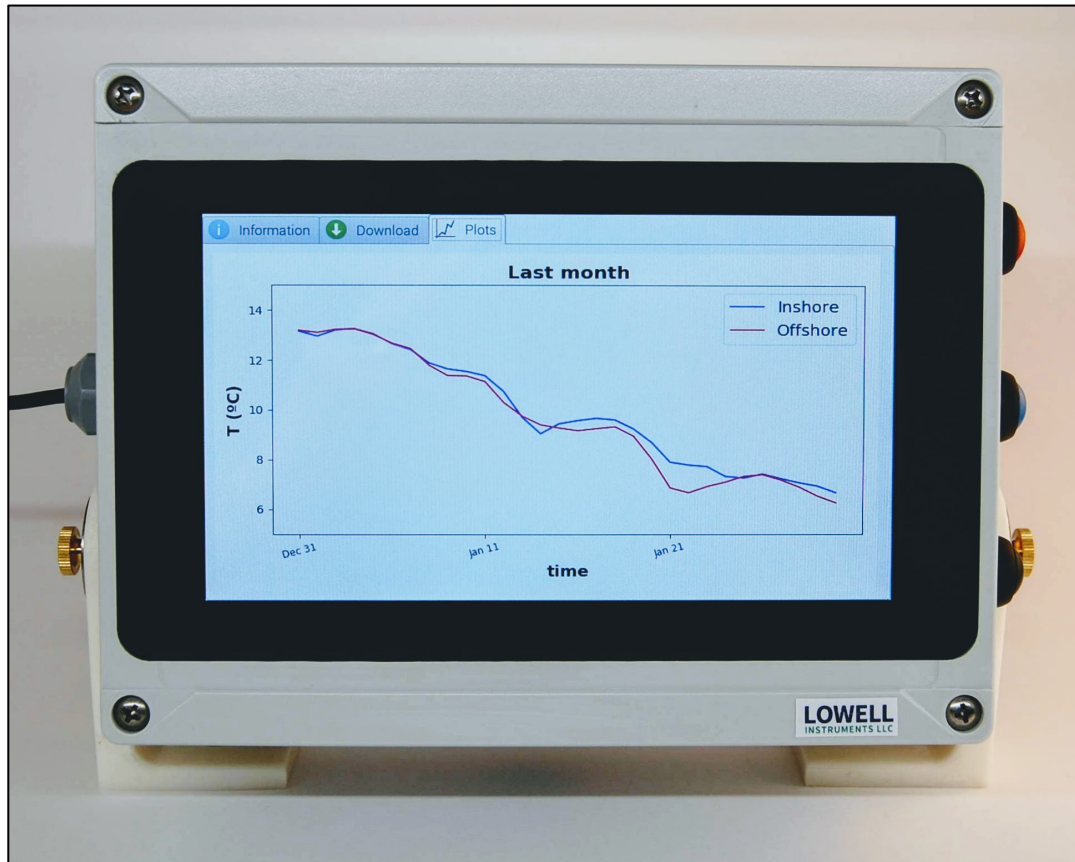**Product Data Sheet**

On Deck Data System - Deck Data Hub

Bluetooth – Wi-Fi – Satellite

Description: The Deck Data Hub is a wireless IoT gateway with a touch screen user interface. The Deck Data Hub is intended for use by commercial fishing boats to aggregate data from IoT sensors and devices. The display provides access to real-time and historical data. The satellite communications package provides global internet connectivity for remote transmission of averaged data. The modular nature of the system ensures that the system can be upgraded as technology and requirements change with time.
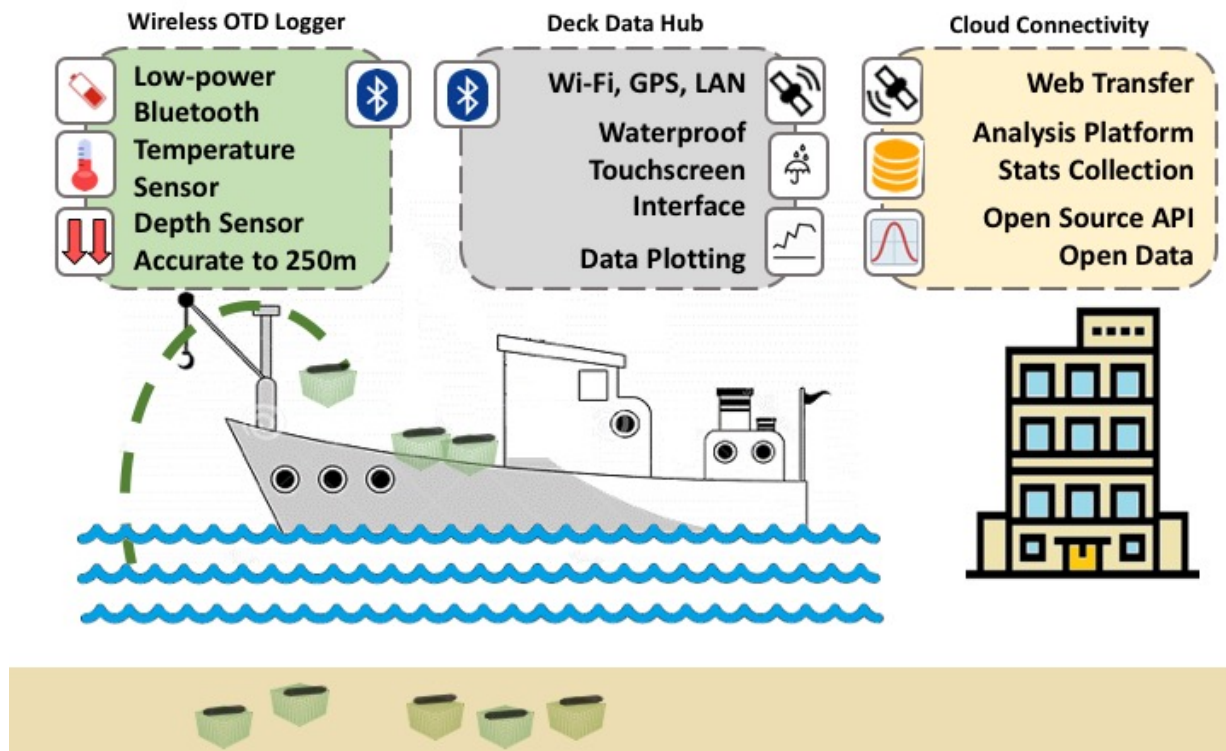
Specifications

Deck Box

Motherboard	Raspberry Pi Model 3 B
Processor	Quad Core 1.2 GHz Broadcom BCM2837 64bit CPU
Memory	1GB RAM
Wireless	BCM43438 wireless LAN and Bluetooth Low Energy (BLE) on board
USB	4 USB 2 ports
Flash Card	32 GB Micro SD card for operating system, programs and data storage
Display	7" color touchscreen, resolution 800 x 480
GPS	48 Channel All-in-View Tracking, USB connection
Operating Temperature	0° C (32° F) to +50° C (+122° F)
Power	12-24V DC, 3 A Max
Environmental Rating	Standard: Dust resistant housing Optional: NEMA 4X housing

Optional Satellite Communications Package

Model	Assetlink AP3
Satellite Network	Iridium
Operating Temperature	-40° C (-40° F) to +70° C (+158° F)
Environmental Rating	NEMA6, waterproof, full immersion at 1m depth
External Power	None (battery and solar cell integrated into housing)

On Deck Data System

Lowell Instruments, LLC ● 33 Cameron Road, North Falmouth MA 02556

508-444-2616 ● info@lowellinstruments.com ● www.lowellinstruments.com