

Bristlemouth Development Kit



Add custom or off-the-shelf devices to your Spotter platform to expand your subsurface sensing suite.

① **Powered by Bristlemouth**

The Development Kit utilizes Bristlemouth, our open standard that delivers plug-and-play hardware interfaces for marine technologies.

② **User-Friendly Development Board**

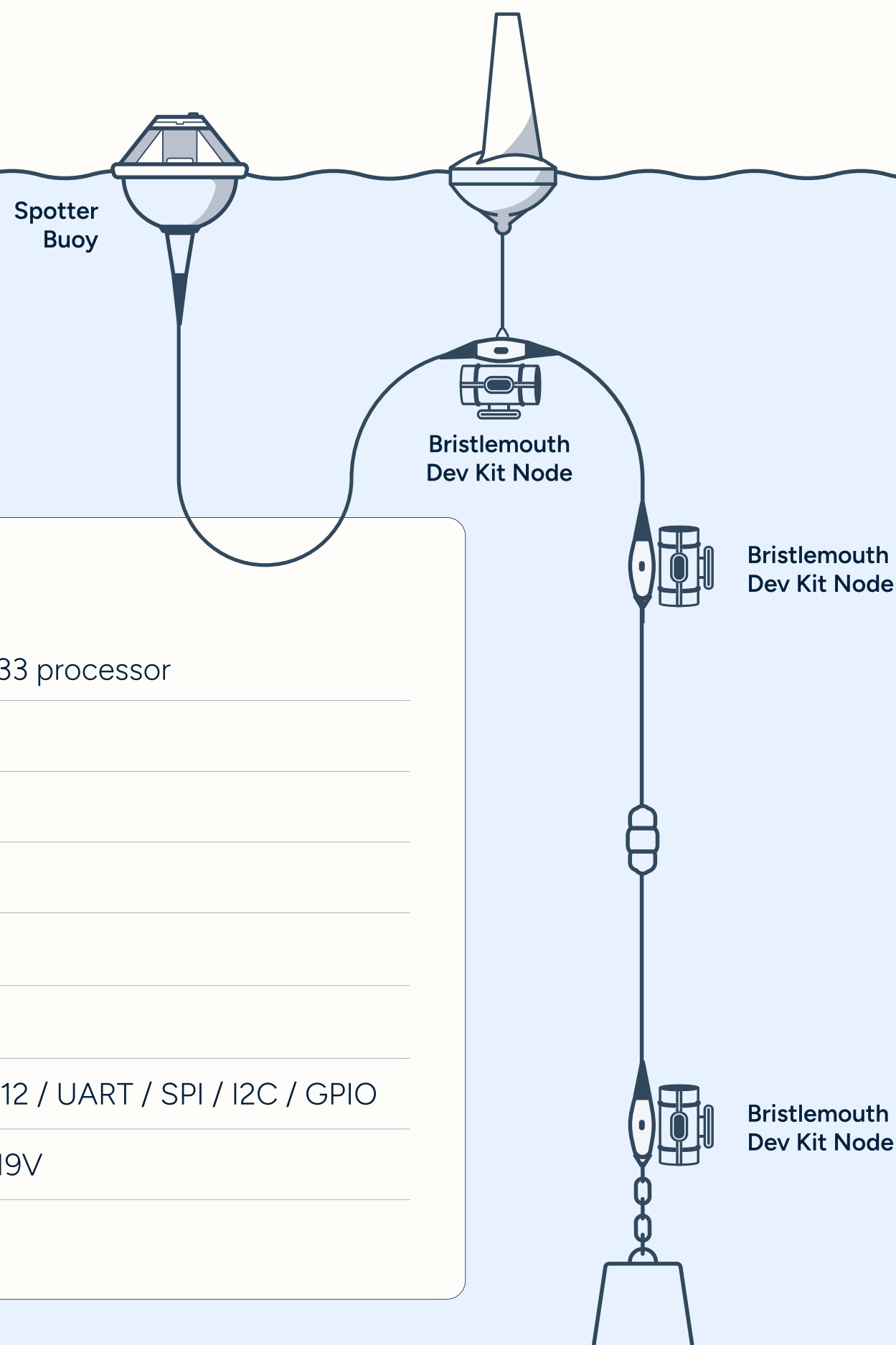
Rapidly add existing off-the-shelf sensors or prototype Bristlemouth-powered devices using I/O connection and digital interfaces for embedded integration.

③ **Plug-and-Play**

Increase speed and scale of sensor integration using dual Bristlemouth ports that support daisy-chain configurations.

④ **Ocean-Proof Marine Housing**

Ensure continuous data collection with a robust two-conductor connector, watertight enclosure, and modifiable endcap for cabling to external devices.



Core Specifications

Processor	STM32U575CI ARM Cortex-M33 processor
Firmware	Open source C/C++
Memory	64 Mbit NOR FLASH
External Kit Dimensions	O.D. 76 mm, Length 200 mm
Maximum Power	Up to 10W continuous
Data Rates	10 Mbit/s
Interfaces	RS232 / RS422 / RS485 / SDI-12 / UART / SPI / I2C / GPIO
Output Voltages	3.3V, 5V Selectable: 9V, 12V, 19V
Maximum Operational Depth	100 m