CYPRU**SUBSEA**
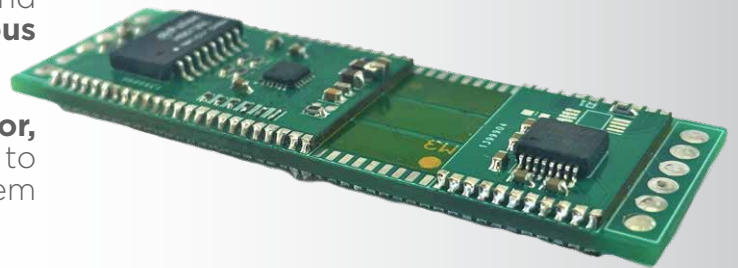## Consulting and Services C.S.C.S. Limited

Smart Cable

Smart cable is a **programmable cable assembly** converting a passive cable into a powerful tool **for easier system integration**. It consists of a pressure tolerant electronics circuit molded inline a cable assembly. The circuit has a **base-plate** which can host several **add-on modules** depending on the application.

Typical applications

- Easily integrate many **different sensor types** with a variety of **protocols** and **voltage** requirements into an **autonomous platform.**

- Can serve as a **low-power data processor, event-detector or data logger** in order to conserve power on the main system processor.

- Can be used to **standardize the incoming data or outgoing commands** between sensors and platforms.

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Technical Specification

Power Module

Over-voltage, over-current and reverse voltage protections.

Supports power multiplexing for voltages from 5 to 50V.

Power consumption depends on the modules in use and processing load.

A few microwatts in sleep mode.

Processor Module

ARM Cortex-M3

Protocol Modules

RS-232

RS-422/RS-485

Ethernet

Analog voltage

CAN Bus

USB

4-20mA current loop

Additional Modules

Flash memory

RTC

Features

Completely open-source

Can be reprogrammed by user

Ideal for low-power and long-endurance system deployments