

The SC2 platform is a proven global tracking and communications solution, evolved into an integrated subsurface and surface connectivity system for the world's most demanding environments.

At its core, SC2 enables seamless integration between subsea assets and an intelligent surface node, creating a resilient gateway for secure over-the-horizon communications via satellite and hybrid RF networks.

Purpose-built for harsh and remote operations, the platform delivers reliable low-power connectivity, real-time data transfer, and precise positioning where conventional systems fail — from subsea to surface and beyond.

SC2 now underpins advanced IoT and M2M deployments, giving operators continuous visibility, control, and situational awareness across globally distributed assets.

BENEFITS

Agile - The SC2 is easy to deploy and with its ingenious use of antenna technology and small size it can be effectively deployed in locations where other devices simply will not perform.

Communication Hub - The SC2 guarantees connectivity around the world through Iridium satellite connectivity and cellular data partners in 180 countries across more than 800 networks. Using the SC2's Wifi, Bluetooth and LoRa connectivity the little device becomes a global gateway for local IoT sensors or M2M communications.

Fit and Forget - All Succorfish products are designed to be rugged and low maintenance. The SC2 is no different, manufactured with the best available components the SC2 will perform for years without any maintenance.

FEATURES

- Global data connectivity.
- GSM & Iridium coverage.
- LoRa, WiFi and Bluetooth connectivity
- AES256 Encryption
- Advanced Bluetooth Integration



MECHANICAL SPECIFICATION

Dimensions	210 x 95 x 55 mm
Weight	400 grams

POWER PARAMETERS

Input Voltage	5-36V
GSM Transmission	160mA
Iridium Transmission	350mA
Indicator	RGB LED

INTERFACES

BLE 5.0
USB
WiFi

BATTERY

Type	Li-ion
Operational Life	5200mAh
Operational Volatage	3.7V

RADIOS

IRIDIUM SBD
GSM
LoRa

GNSS

GPS (2m Accuracy)
GLONASS

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C to 85°C
Vibration	Milspec 810G
Waterproof	IP67

SECURITY

AES 256 Encryption
Advanced Anti Jamming Suppression
Cable and Enclosure Tamper Alerts

SENSORS

Integration with 3rd party Bluetooth devices
Integration with Succorfish D&T beacons
RS232
9-Axis Accelerometer

Mounting Options

Pole and flat aluminium mounting brackets
Magnetic mounting base

