RESOLUTE
Autonomous Low Power GNSS Receiver

FOR REMOTE PRECISION GPS APPLICATIONS

KEY FEATURES

User Configurable Constellation Tracking
- L1/L2 / GPS/GLONASS

Low Power less than 1.0 watts continuous

Small Form Factor only 6" x 6" x 3"

Telemetry Options
- Iridium 9523 modem for both RUDICS and SBD,
- Cellular, WiFi, 900Mhz Radio

Built for Easy Deployment
- Color coded connectors/cabling
- One button operation
- Ultra bright LEDs

Designed for Remote/Autonomous Deployment
- Modem heaters for Polar Operation (optional)
- Redundant SD cards
- Firmware upgradable OTA

APPLICATIONS

Polar/Science GNSS Receiver:
Ice Sheet Monitoring, Volcano Monitoring

Infrastructure Monitoring:
Buildings, Dams, Bridges

Land Subsidence:
Mining, Oil & Gas, Airports

xeos
BY SATLINK

36 Topple Drive, Dartmouth   Tel: 902.444.7650   sales @xeostech.com
Nova Scotia, Canada B3B 1L6   Fax: 902.444.7651   www.xeostech.com

RESOLUTE

Electrical

Input Voltage: 11-28 VDC

Operating temperature: -40°C to +60°C (standard)
                                    -55°C to +60°C (optional)

Supports a wide range of GNSS and Choke Ring External Antennas

GNSS

Supports GPS, GLONASS and SBAS

Dual Frequency, L1/L2

136 Channels

Output up to 25 Hz

Configurable SBAS setting

SBF and NEMA output (standard)

Optional DGPS and RTK Base and Rover modes

RTCM2, RTCM3 and CMR formats

Data Logging

2 x 32GB Internal SD cards (standard)

Up to 4 independent logging sessions

USB host

Multiple file formats (RINEX, SBF)

Communications (Internal Options)

Iridium 9523 (RUDICS and SBD)

Cellular (GPRS, CDMA, HSPA+, LTE, SMS)

XBee-PRO 900HP, 24dBm/250mW Tx Power/Mesh Network

WiFi (802.11 B/G/N)

Communications (Standard)

Serial – 2 x RS-232/485 with h/w flow control

SDI-12

BTLE 4.0

USB – Full speed USB configuration/diagnostic Port

CanBus – 1Mbps 2.0 A/B

Ethernet – 10 Base-T/100 Base-T

Supports TCP/IP

Specifications subject to change without notice