

Global Satellite Asset Tracker

ADVANCED TRACKING & ANALYTICS - ANYWHERE

Track mobile assets with seamless coverage globally – including polar and uninhabited regions. Small size, optional integrated power source, robust design and ease of mounting are key to a quick installation and successful operation. The Iridium satellite constellation with 66 satellites in Low Earth Orbit (LEO) and truly global coverage provide low-latency two-way communication with the ONYX.

ONYX is compatible with the XeosOnline™ monitoring software, providing data analytics & monitoring functions for all applications. XeosOnline™ provides street map positioning, alarm notifications for a variety of triggers and conditions, and over the air command & control of the ONYX. Utilize the user configurable Input/Output to retrieve data from external sensors/devices and/or trigger alarms – all from the other side of the globe.

Key Features:

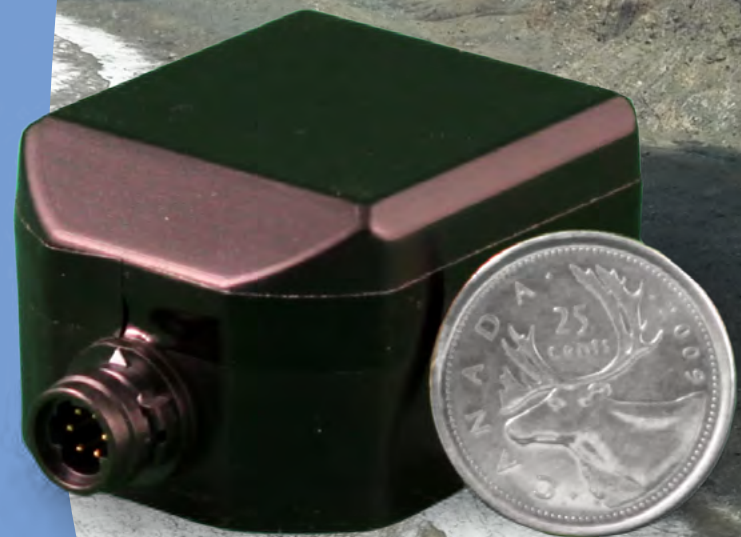
- **Multiple configurations available**
- **Integrated rechargeable battery pack (optional)**
- **Integrated antennas**
- **Two-way global communication via Iridium satellite**
- **User configurable I/O**
- **XeosOnline™ compatible**
- **Available Encryption**

The flexible design of the ONYX allows for a wide variety of applications. Use the default settings for standard operations or maximize power management for long deployments. Customize alarm modes and sensor management. Ease of use and extensive functionality in a miniature package.



Xeos *Technologies Inc*
Data Telemetry Specialists

Xeos Technologies Inc. Tel: 902.444.7650
36 Topple Drive Fax: 902.444.7651
Dartmouth, NS, Canada sales@xeostech.com
B3B 1L6 www.xeostech.com



ONYX

ONYX



TECHNICAL SPECIFICATIONS*

ONYX



Mechanical

| | |
|-------------------|---|
| <i>Material</i> | ABS |
| <i>Dimensions</i> | 4.7 cm x 3.6 cm x 2.5 cm (1.87" x 1.44" x 1.10") |
| <i>Connector</i> | Hirose 6 pin, HR-30 series, External power source, I/O port |

Electrical

* All ratings at 12 V

| | |
|-----------------------------|----------------------|
| <i>Sleep Current</i> | <50 μ A |
| <i>Transmission Current</i> | ~50 mA (avg. 30 sec) |

Optional external 9 AA Battery Pack



ONYX - R



Mechanical

| | |
|-------------------|---|
| <i>Material</i> | Delrin (Black) |
| <i>Dimensions</i> | 12.0 cm x 4.2 cm x 2.5 cm (4.72" x 1.65" x 0.98") |
| <i>Connector</i> | Hirose 6 pin, HR-30 series, External power source, I/O port |

Electrical

* All ratings at 12 V

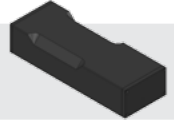
| | |
|-----------------------------|----------------------|
| <i>Sleep Current</i> | <50 μ A |
| <i>Transmission Current</i> | ~50 mA (avg. 30 sec) |

| | |
|---------------------|--------------------------------------|
| <i>Battery Pack</i> | Integrated Rechargeable Li-ion |
| | Voltage: 7.2 V |
| | Amperage: 5.3 AH |
| | Operational Life: ~ 1500 messages |

Mounting

Enclosure notched for
strap placement

ONYX - I



Mechanical

| | |
|-------------------|--|
| <i>Material</i> | Delrin (Black) |
| <i>Dimensions</i> | 12.0 cm x 4.2 cm x 2.5 cm (4.72" x 1.65" x 0.98") |
| <i>Connector</i> | none |

Electrical

* All ratings at 12 V

| | |
|-----------------------------|----------------------|
| <i>Sleep Current</i> | <50 μ A |
| <i>Transmission Current</i> | ~50 mA (avg. 30 sec) |

| | |
|---------------------|--------------------------------------|
| <i>Battery Pack</i> | 4 CR123 |
| | Voltage: 12 V |
| | Amperage: 1.8 AH |
| | Operational Life: ~ 1500 messages |

Mounting

Enclosure notched for
strap placement

COMMON TO ALL ONYX MODELS:

| | |
|-----------------------|---|
| <i>Communications</i> | 9603 Iridium Transceiver |
| <i>GPS Receiver</i> | Xeos Technologies 48 Channel GPS (SiRFStarIV) |
| <i>Antenna</i> | Integrated Iridium and GPS antennas |
| <i>Environmental</i> | Operating Temperature: -20° C to +60° C |

*Specifications subject to change without notice.

Xeos Technologies Inc.
36 Topple Drive
Dartmouth, NS, Canada
B3B 1L6
Tel: 902.444.7650
Fax: 902.444.7651
sales@xeostech.com
www.xeostech.com

Xeos Technologies Inc
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