HELIOS HYBRID

Sophisticated tracking device for remote and isolated area. Works anywhere, anytime, combining satellite and cellular connectivity.

⊙ Construction ⊙ Mining ⊙ Security ⊙ Valuable Cargo ⊙ Remote Areas

Starcom Systems quality with 24/7 availability.

- Innovative integration of Helios cellular with an Iridium satellite module

- Customized events through Starcom Systems propriety event generator

- Personalized alerts via Text message and E-mail

- Works 24/7. Anywhere, anytime

- Worldwide detailed maps

- Geo-fencing alerts

Starcom's superior technology - built to work better and last longer

STARCOM
Systems | Above All

Helios Hybrid - General Specifications:

CPU	Type Memory:	NXP ARM Cortex-M3 Static RAM: 128kb ROM: 34kb Flash: 2048kb
Power	Power Voltage Range Consumption	8v-36v (supported in same unit) 3mA in low power mode up to 120mA in working mode can reach up to 300mA if battery is charged
* Backup Battery (optional)	Type Power	Lithium-ion Polymer 3.75V, 950 mAh
Cellular Communication Satellite Modem (external device)	GSM/GPRS - default Optional Modems Antenna type Data channels Protocol Connection	Quad Band (850, 900, 1800, 1900) UMTS/HSPA+, CDMA/1xRTT/EV-DO, LTE Built-in (concealed) SMS & TCP/IP Propriety – encrypted RS232
Location	Type Time to First Fix (TTFF) Positioning Accuracy Antenna type	GPS, GLONASS (optional) 1 sec (hot start) 2.5m CEP (50%) Velocity: 0.2m/s (50%) Built in (concealed)
COMM Port	Type Speed	RS232 115,200bps (default)
I/Os	Digital Inputs Digital Outputs Analog Inputs Pulses Counter CANBUS	Max 8 Max 4 Max 3 Max 1 Included
Accelerometer	Type Purpose	3-Axis, 20 mg accuracy, up to 8g Identify and report events of impact and accident
Alarm System	Immobilizer Disarming Options	External – Gradual Stop Key Pad, Dallas Key, Remote Control, RF Keypad
Dimensions	Size Weight	21H x 60W x 107L (mm) 0.82H x 2.36W x 4.21L (inch) 150 (grams) 5.29 (Oz)
Environmental	Operating Temp Storage Temp Humidity	-40°C (-40°F) to +60°C (140°F) -40°C (-40°F) to +85°C (185°F) Max 90%