The Satellite Gateway is a mobile satellite communications device which transmits and receives data over the Iridium satellite network via Iridium SBD Services.

The Satellite Gateway communicates over an RS-232 connection to external electronic modules. Increased power conditioning and transient protection are incorporated to enhance the functionality of the base Quake Global Q9612 transceiver. The mechanical design ensures performance in the most demanding environmental conditions.

### Specifications

| Machine Interface          | Designed for 12V or 24V systems  
|                           | 9V to 32V operating voltage  
|                           | RS-232 interface to external modules |
| Communication             | Quake Q9612 transceiver  
|                           | Iridium SBD Service |
| Electrical Safeguards     | Transient protection per JDQ53.3 (ISO 7637-2)  
|                           | ESD Protection: 8 kV contact, 25 kV air discharge  
|                           | Short to battery/ground protection on all primary connector pins  
|                           | Reverse battery, load dump, jump start protection |
| Mechanical                | Metallic IP67 enclosure  
|                           | Header Connector: Molex CMC 48-way  
|                           | Antenna Connector: 50 ohm female TNC  
|                           | Dimensions (mm): 210 x 205 x 50  
|                           | Weight: 1.2 kg |
| Environmental             | -40°C to +75°C operating  
|                           | Shock: 85G  
|                           | Storage Humidity: 168 hr +85°C @ 85% RH  
|                           | Vibration: 9.6 G—5 Hz to 2 kHz  
|                           | Life tested from -40°C to +65°C @ 70% relative humidity  
|                           | Dust, immersion, high-pressure spray tested |
| Regulatory                | US/Canada  
|                           | FCC (complete device tested to Part 15b)  
|                           | Industry Canada  
|                           | PTCRB, AT&T certification  
|                           | Europe  
|                           | CE, E mark  
|                           | Extensive list of additional country approvals |