



THE LEADER IN REMOTE ASSET TRACKING



## Q-Puck

Integrated  
Iridium  
Transceiver  
Antenna  
System

The Q-Puck is the latest collaboration between Quake Global and Hirschmann Car Communication, providing a smart satellite antenna solution.

By combining Quake Global's continuing expertise in modem technology and Hirschmann Car Communications proficiency in antenna technology, they have delivered a cost effective, compact solution for today's M2M market.

The Q-Puck is an efficient, out-of-the-box global satellite solution, allowing customers to effortlessly connect to Iridium's Satellite Network. Fully qualified and certified to operate through harsh environments, the Q-Puck is the uncomplicated, satellite addition to your telecommunications needs.

The Q-Puck's simple installation and integration enables you to utilize your information quicker and is optimal for any developer who is facing an accelerated time-to-market requirement. This functionality not only significantly reduces development time and costs, but is also ideal for use in applications for the rapidly growing M2M market, including remote asset tracking and monitoring solutions.

## TECHNICAL SPECIFICATIONS

### Communications – IRIDIUM

|                 |                              |
|-----------------|------------------------------|
| Transmit Freq:  | 1616 – 1626.5 MHz            |
| Transmit Power: | 1.6W                         |
| Message Size:   | Tx 340 Bytes<br>Rx 270 Bytes |
| Latency:        | 20 sec (typ)                 |

### Dimensions / Mechanicals

|                      |                             |
|----------------------|-----------------------------|
| Length/Width/Height: | 124.3mm/80.3mm/31mm         |
| Weight:              | ca. 580g (with 5.33m cable) |
| Mounting option:     | Through hole; mounting hole |
| Diameter             | 15mm ± 0.2mm                |

### Data Interfaces

|               |  |
|---------------|--|
| Type:         | 1 Serial RS-232C   |
| Connector:    | HSD, Z-Code (3-wire RS232C interface)<br>M12-8M male (3- or 9-wire RS232C interface) |
| Cable length: | 5330mm   |

### Power

|                        |   |
|------------------------|---|
| External Power Source: | 5 VDC regulated (4-36 VDC for production parts) |
| Power consumption:     | 1 Amp max transmit<br>Tbd. standby              |

### Environmental Specification

|                        |              |
|------------------------|--------------|
| Operating Temperature: | -40C to +85C |
| Storage Temperature:   | -50C to +85C |
| Protection Class:      | IP66         |



# Q-Puck- Integrated Iridium Transceiver Antenna System

## ADVANTAGES

- Low cost
- Simple Integration
- Fully Certified
- Out-of-the-box ready to go



4933 Paramount Dr.  
San Diego, CA 92123  
(858) 277-7290  
(858) 277-7259 Fax  
[www.quakeglobal.com](http://www.quakeglobal.com)  
[sales@quakeglobal.com](mailto:sales@quakeglobal.com)