# McQ CONNECT™ :::: iridium®
## connected

## Global Communication

## McQ CONNECT DESIGN

McQ CONNECT provides an Internet Protocol (IP) link that can send messages, data, pictures, video, command and control, safety alerts, system monitoring data, malfunction alarms, system reprogramming data, security alerts, phone messages, and support phone conversations. The user can send files of any size using many messaging protocols. The Internet Protocol suite of data transfers, include Application Layer (FTP, SFTP, HTTP, HTTPS, SMTP, DNS, Websockets etc.), Transport Layer (TCP, UDP, TLS etc.), Internet Layer (ipV4, ipV6 etc.), and Link Layer (Ethernet). This flexible information transfer, available from any global location to distributed users located anywhere, supports many remote and emergency application requirements.

## Connect to the World!

Your remote data and system application information is now available from any place on the earth to users and product solutions. Mobile platforms and remote sites can communicate over the Iridium Satellite Network with this small modem anytime, anywhere. Real time delivery and receipt of information means you can instantly feed information to your application via a Secure Internet Protocol "Cloud" and command and control your remote product with very low latency. The McQ CONNECT™ is battery or wall powered in a rugged IP 67 Housing for use in any environment. Low cost data plans make the McQ CONNECT™ an affordable solution for your global information requirements.

## Capability Overview

- **McQ CONNECT™ Modem**
  - *22 kbps Uplink, 88 kbps Downlink*
  - *IP67 Rugged Housing, -40° to + 65° C*
  - *Small Maxtena Antenna, 9 to 18 VDC*
- **Global Coverage-Data and Phone Link**
- **Connects any Users or Applications in Real Time Immediately**
  - *Data, Command and Control, Live Imagery, Phone Coordination Link*
- **COMSAT Iridium Certus Global Service**
- **McQ Iridium Value Added Manufacturer**
  - *Iridium Partner Company*
  - *Modem Control and Data Management Electronics*
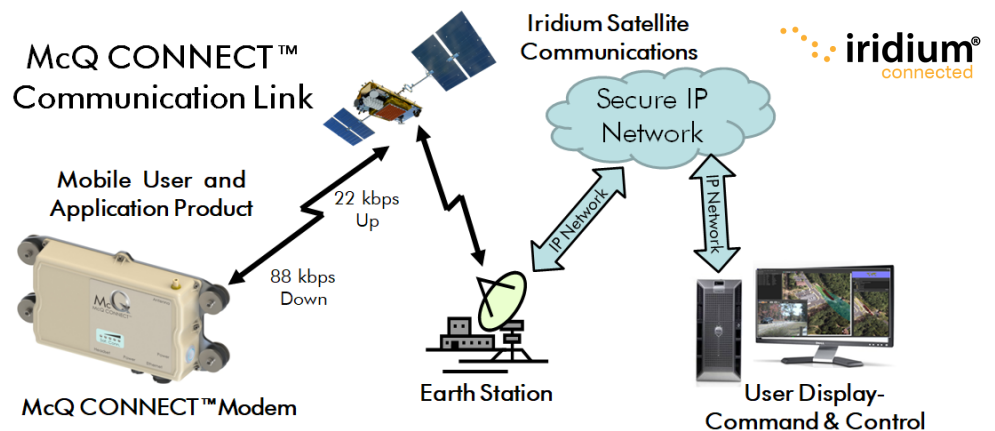  - *Certified Manufacturer for Iridium*

McQ has application software and firmware to augment many user applications. These many applications can assist customers with integrating the McQ CONNECT Communication Link features into their applications. The following technology capabilities may aid McQ CONNECT customers with their product solutions. McQ has a significant variety of map based user displays with command and control protocols. User Interface applications include Android tablets and cell phone Apps, Windows laptop and server software operating systems, network management software, database storage software, Web Server software, GIS mapping software, Cloud operations software, data encryption firmware and software, video compression firmware software for the McQ CONNECT link, image processing analytics, system health and status data display and report generation, data acquisition firmware and software, signal processing software and firmware, and many custom Data Layer protocols including McQ's Common Data Interchange Format (CDIF) and many other formats (JSON, COT etc.).

# McQ CONNECT™ Modem
## Features and Specifications

The McQ CONNECT product connects user and products to distributed worldwide locations using the new Iridium Satellite Constellation. McQ is an Iridium Partner company and Value Added Manufacturer. Through this partnership, McQ provides users with a very flexible global connection anywhere in the world. The McQ CONNECT is designed to provide reliable operations in hostile weather and transport environments in urban and remote locations. The McQ CONNECT operates on a range of DC voltages compatible with both a variety of batteries and with wall power converters. The McQ CONNECT supports the full, large range of Internet Protocol data transfer messaging protocols so it can be integrated into many customer applications. Additionally, McQ is a technology product development company with products using the Iridium global network for critical information transfer. As a long time product developer of network and user interface applications, McQ can support customer applications with data acquisition and management, as well as information display and system command and control software and product firmware. McQ CONNECT can solve your global data management and display applications needs.



Specifications:

- Data Transfer-IP Application, Transport, Internet, and Link Layers
- Windows Platform Compatibility
- Integration Compatibility with Cellular, Cable, IP Mobile Radios
- Integration with Platforms to Send and Receive Email
- Built for Difficult Environment and Transport Conditions
- Small and Light Weight- 8 x 5 x 1.5 Inches, 20 x 13 x 4cm; 2 LB, 1 Kg
- Mounting Provisions for Mobile and Static Applications