4 Ways to RTK

The 3DMGQ7 GNSS/INS makes it easier than ever to connect to RTK correction sources. When receiving RTK corrections, the 3DMGQ7 achieves the 1cm + 1ppm position accuracy you’ve come to expect from an RTK system at a very competitive price point. To support our customers' wide-range of RTK use-cases, we’ve developed the following 4 convenient solutions, aka “4 Ways to RTK”:

1. **Premium SensorCloudRTK + 3DMRTK**
   - RTK corrections via SensorCloudRTK or NTRIP
   - 3DMRTK provides cellular connection - PC not needed
   - 10 hours of Premium RTK Network corrections included
   - Hourly charge for each hour of SensorCloudRTK corrections thereafter
   - Unlimited 3rd party NTRIP data at no charge
   - Recommended for: areas covered by SensorCloudRTK (see map)
   - PC not needed - highly mobile, most flexible

2. **Basic SensorCloudRTK + 3DMRTK**
   - 3rd party NTRIP RTK corrections only
   - 3DMRTK cellular connection - PC not needed
   - Minimal hourly charge for corrections
   - Recommended for: existing 3rd party RTK subscription; operating in areas where SensorCloudRTK has yet to be established but there is cellular coverage

3. **SensorConnect NTRIP Client + user supplied internet (no charge)**
   - 3rd party RTK subscription required
   - Have an internet connection on a PC running SensorConnect plugged into the 3DMGQ7 MAIN and AUX ports
   - 3DMRTK and SensorCloudRTK subscription not required
   - Good for initial engineering evaluation

4. **User supplied RTCM corrections to aux port (no charge)**
   - 3rd party RTK subscription required
   - Customer provides interface layer between correction source and 3DMGQ7 AUX port
   - Tighter integration, more customer development required
   - The current choice for ROS applications