

# STORMLINK™

## REAL-TIME SATELLITE TELEMETRY



A significant challenge for managers of real-time environmental monitoring networks is the reliable extraction of critical information from remote sites. To meet this challenge, OneRain developed the StormLink family of real-time satellite telemetry data products, useful anywhere they can see the equatorial sky in the continental U.S.

OneRain provides turnkey rainfall monitoring solutions to our Customers. StormLink is a cost-effective alternative to line-of-sight (LOS) radio (RF) data delivery, reducing traffic in crowded RF environments and sometimes eliminating costly LOS repeaters. It is now possible to use the same instrumentation you use within your LOS network at remote locations. StormLink can be set up as an ALERT Concentrator to up-link ALERT-received data, or as a standalone sensing site with off-the-shelf instrumentation.

StormLink's satellite transceiver module uses the L-band for communication and is thus not prone to rain fade during just the time when you need your data the most. Data transmission is via the Stratos Global, a robust, secure network (X.25 and TCP-IP) of data transmission. Messages are packetized and time-stamped prior to satellite transmission. The communications channel is two-way; data are buffered locally for possible retransmission until acknowledgment of correct receipt has been received. And no FCC licensing required!

Within an average 20-30 seconds from the time of transmission, your data are processed, validated and archived into the Harbor, OneRain's secure, 24/7-supported enterprise rainfall database and application center. Using Contrail® Web, a web-based visualization and decision management tool, information is available to authorized users via a browser and web-enabled devices. Data can be received automatically into other data collection systems including OneRain's DIADvisor™, but users don't need proprietary PC software to see critical information: See what you need from wherever you are on the Internet.

StormLink is a rugged product, vandal-resistant and designed to operate for months without the need for maintenance. The satellite transceiver with antenna is compact and weatherproof. Typical installations employ an aluminum pole commonly used in traffic signal applications, internal batteries capable of operating the site unaided for many days, and a regulated solar panel recharger.



**EXPERTS MEASURING RAINFALL AND ITS CONSEQUENCES**

**OneRain**  
The Rainfall Company

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