Trilliant SecureReach® Low Power Wide Area Network (LPWAN)

Some Advanced Metering Infrastructure (AMI) networks don't require constant and instantaneous communication, for instance where a customer's meter is read normally only once per month. Trilliant SecureReach® Low Power Wide Area Network (LPWAN) is commonly used for AMI infrastructure in both rural and urban areas.

Trilliant SecureReach LPWAN is ideal for targeted and hard-to-reach deployments over rugged geography.

Trilliant SecureReach LPWAN for AMI provides millions of connections that can cover 50-200 square miles for above ground and outdoor endpoints. Each LPWAN has up to 1200 endpoints, and the solution also operates very efficiently, only using enough power to maintain solid communications links between devices and central utility applications. Endpoints "sleep" when not sending data, lowering costs and extending the life of battery-powered meters. The LPWAN can cover meters for battery-powered electric, natural gas or water.

High function/lower cost

The LPWAN is designed as a high-capacity network that provides wide area coverage. Trilliant LPWAN solutions provide the highest level of security, just like with all our communications solutions. But it also delivers lower deployment and operating costs.

Fault circuit indicator solution

Need to monitor faults on low-power wide-area networks? Trilliant offers end-to-end power-line monitoring for Trilliant SecureReach LPWAN users.

When a fault occurs, the Fault Circuit Indicator sends notifies a data concentrator. Trilliant SecureReach LPWAN then forwards the data to the Trilliant SecureMesh WAN and the Trilliant Unity Suite head end system. From there, data travels via a standards-based connection to software for display on network diagrams. The result is faster, more accurate fault location that speeds technicians directly to the problem.

AMI firmware upgrades are quick and efficient on the LPWAN solution. Whether it's 10,000 or 100,000 devices, there is no time difference when upgrading the network. Upgrades happen within 3-7 days.

Questions, comments: info@trilliant.com

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