

Water Meters, Systems & Accessories H-24

Sensus FlexNet System



The Sensus FlexNet System is a wide area Advanced Metering Infrastructure (AMI) system that provides the ability to read water, gas and electric meters with a common AMI platform. The FlexNet system is designed around the central concepts of Simplicity, Flexibility, and Reliability.

The Sensus FlexNet system is a "single-tier" system, meaning that readings are transmitted directly from the meter endpoint to one or more Tower Gateway Base Stations (TGBs) which are usually miles apart from each other. No complex series of collectors are required to "store and forward" reading data due to the excellent network performance capabilities. Upon reaching the TGBs, the readings are sent immediately to the back-end software (RNI and MDM) via any available Ethernet connection (wired, wireless, Wi-Fi, fiber, frame relay, analog modem). Typical range from the endpoints to the TGB varies due to many factors (building density, topography and foliage), but reliable communications can be established between meter endpoints via one of the variety of transmit modes. The FlexNet system supports long range reliable transmission which can be achieved with minimal infrastructure. This in turn results in low overall maintenance costs.

