entronix
FACILITIES ANALYTICS PLATFORM

IoT NODE

CONNECT AND GO!
Meters can be added in three clicks. Any measurement device can be connected to an Entronix IoT Node as long as it supports Modbus (serial or TCP), BACnet, oBIX, or one of the other Entronix-compatible protocols.

ADD UNLIMITED NUMBER OF METERS AND NODES
You can connect thousands of IoT Nodes to an account. Nodes in a single account can span the globe and connect through any cellular, wired, or wireless Internet connection. This 100% "cloud-based" system provides advanced analytic reporting to authorized personnel via their Internet-connected PC, laptop, tablet, or smart phone. Any number of meters, IoT Nodes, or users can be added to the system without any additional licenses.

A SINGLE IoT NODE SUPPORTS UP TO 32 METERS
Each IoT Node is ready to measure electric, gas, water, fuel usage, or as a gateway for a legacy automation system.

REDUNDANCY
All data is trended and stored locally at the IoT Node level as well as remotely on the Entronix cloud based servers. IoT Nodes have 32GB solid state storage with no moving parts and retain up to one year of data if Internet connectivity fails, given typical polling rates. The saved data transmits to the cloud once connectivity is restored.

The Entronix **IoT NODE** is an on-site IoT Gateway that communicates with the Entronix cloud. No static IP address or firewall configuration is required for the IoT Node to function. The IoT Node only requires simple outbound Internet access to connect to the cloud. IoT Nodes are capable of measurement and verification, performance and tracking, fault-detection, and analytics.

WHAT'S NEEDED
ENTRONIX SOFTWARE

COMPRESSION
BANDWIDTH IS MINIMIZED

SECURITY
256BIT ENCRYPTION PROTOCOLS

STORAGE
STANDARD 32 GB SOLID STATE STORAGE, 1 YR STORAGE
OPTIONAL 64 GB SOLID STATE STORAGE, 2 YR STORAGE

EXPANSION
4 USB PORTS

POWER
WALL VOLTAGE ADAPTER PROVIDED
OPTIONAL POWER OVER ETHERNET ADAPTER
ENCLOSURE
OPTIONAL NEMA1, NEMA2, OR NEMA3 ENCLOSURE

CONNECTIVITY
BUILT-IN ETHERNET CONNECTION
BUILT-IN 802.11N WIRELESS
BUILT-IN BLUETOOTH 4.0
OPTIONAL OPTO-ISOLATED RS485 SERIAL
OPTIONAL CELLULAR MODULE
OPTIONAL BACNET MS/TP ADAPTER