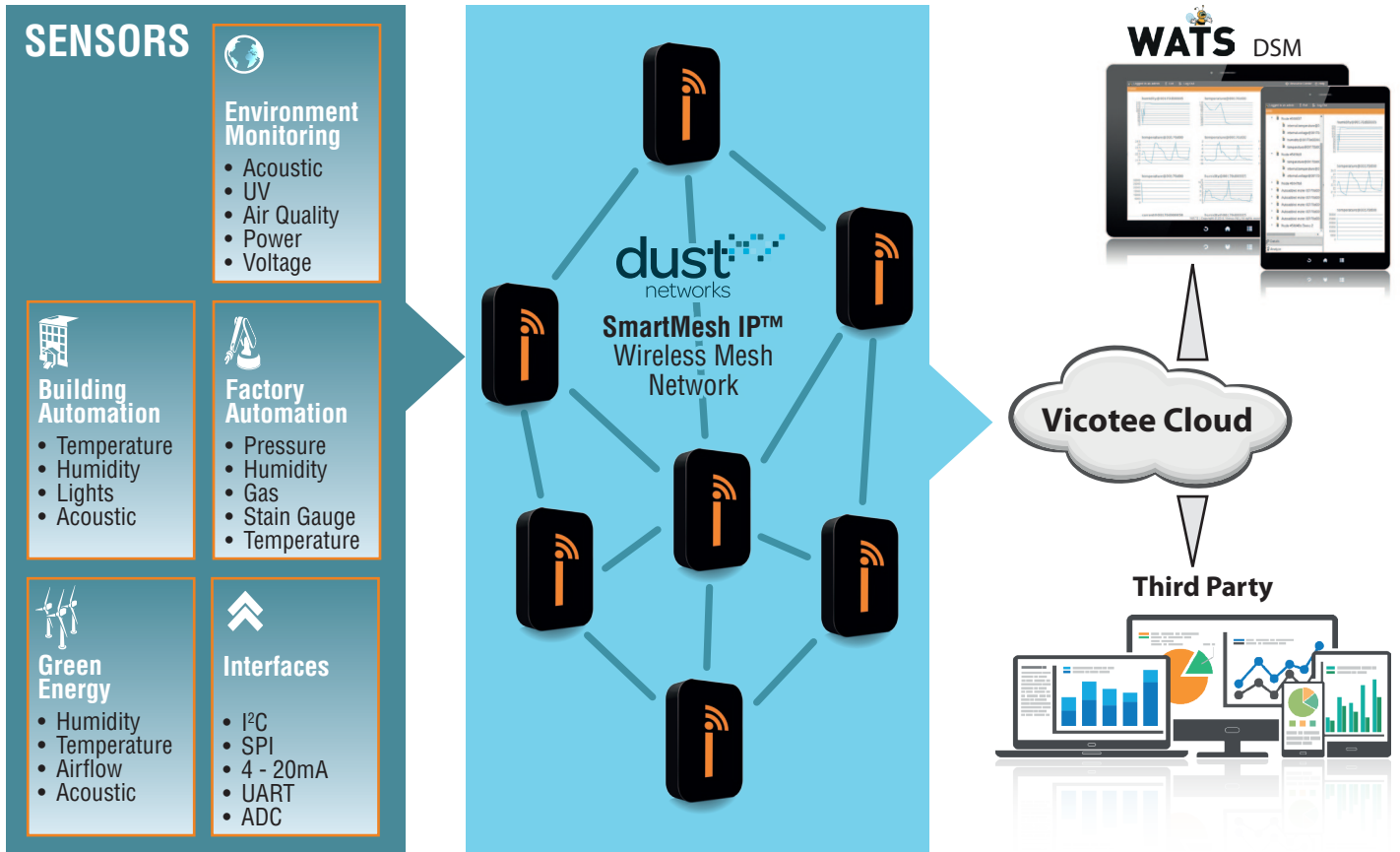


Wireless Mesh IoT Sensor Interface – based on SmartMesh IP™ Solution



Benefits

- Make traditional wired sensors wireless
- Configurable sensor interface
- Our goal is to cover all standard sensor interfaces
- Self-healing Mesh network
- Plug and Play
- Ultra-low Power – Runs on batteries for years
- >99.999% network reliability in the most challenging RF environment
- Each sensor-interface has a unique IPv6 address – remotely accessible
- Programmable-Over The Air – Makes it easy to update FW
- “Call-home” function for user-defined configuration
- Uses a standard protocol – IEEE 802.15.4E, 6LoWPAN with 128-bit AES-based encryption

Network Features

- Time Synchronized Mesh Protocol (TSMP)
- Time Slotted Channel Hopping (TSCH)
- Nodes know precisely when to talk, listen, or sleep
- Packet exchanges are synchronized
- No packets collide on the network
- Multiple transmissions can occur simultaneously, increasing network bandwidth

Linear Technology's Dust Networks® offers the industry's lowest power and most reliable standards-based wireless sensor networking (WSN) products. Dust Networks' products are field proven, with over 50,000 customer networks deployed in 120 countries. By delivering >99.999% data reliability in tough RF environments, Dust Networks' wireless mesh networks are entrusted by customers to deliver critical sensor and control data reliability for many years without requiring intervention.

