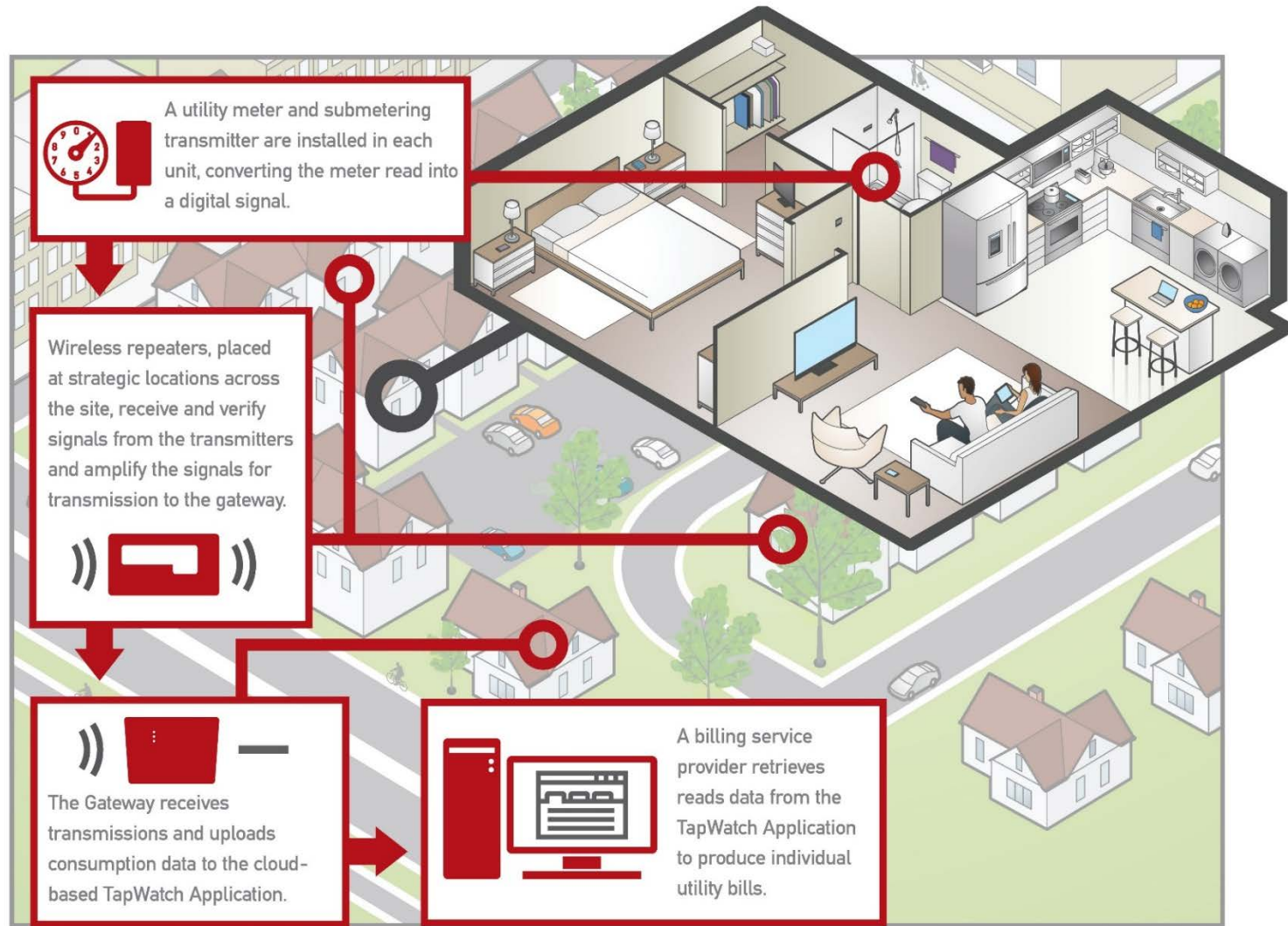




inovonics®

Submetering Hardware Overview

# Inovonics Submetering



# Patented EchoStream Technology



- Long range
  - Transmitter – 25,000 square feet
  - Repeater – 50,000 square feet
- High reliability
  - Self healing mesh network
  - Purpose built to ensure message delivery in multifamily/commercial construction environments
  - 10+ year life expectancy (20+ year old systems still going strong)
- 20-year proven track record
  - Most widely deployed wireless submetering system
  - Millions of transmitters across tens of thousands of properties

# Commercial Grade – *It Just Works*



- Installation: TapWatch Certified installers
- Purpose built: Not “off-the-shelf” residential electronics
- Broad operating temp & humidity range
- Power considerations
  - Long battery life, low battery alerts
  - Line powered hardware:
    - Intrinsically safe power supply
    - Back-up battery to ensure operations in power outage
- Inputs: Protected within case to minimize disconnects

# Submetering Focus



- Dedicated support
  - 6 technical support representatives
  - 7 account managers
  - 10 radio frequency (RF) engineers
  - Combined 200+ years submetering experience
- Supplier reliability
  - Short lead times
  - [ISO 9001:2015](#) certified manufacturer
  - Made in the U.S.A



# TapWatch Gateway



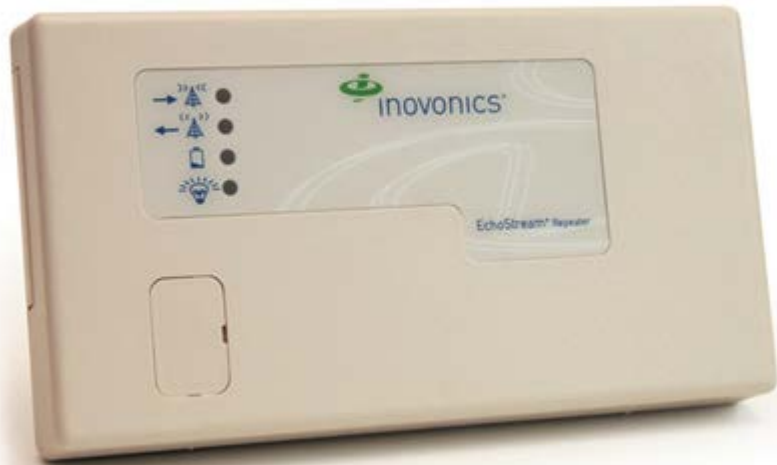
- Combines the receiver and data logger functionality into a single gateway
- Supports over-the-air updates
- Full compatibility with previously installed EchoStream systems
- User interface: Cloud-based TapWatch application
- Power options: Line power or POE
- Operating environment: 32F to 140F
- Mounting: Mounting screws

# Pulse Meter Transmitter



- 25,000 square foot range
- Compatible with virtually any meter with a pulsed output
- Case tamper
- Removable terminal block to speed install
- 5+ year battery life
- Mounting options
  - Mounting plate
  - Double sided tape
  - Zip tie

# Repeater



- 50,000 square foot range
- Operating environment: -4F to 140F
- 24 hour+ backup battery
- No programming required
- Self configuring
- Case tamper protection
- [Intrinsically safe transformer](#)
- Mounting options
  - Mounting screws
  - Double sided tape
  - [ACC650 outdoor enclosure](#)



## For More Information

- Inovonics Technical Support:
  - [support@inovonics.com](mailto:support@inovonics.com)
  - (800) 782-2709, (303) 939-9336
  
- [Your Inovonics Account Manager](#)
  
- [Inovonics Submetering Partners and Distributors](#)