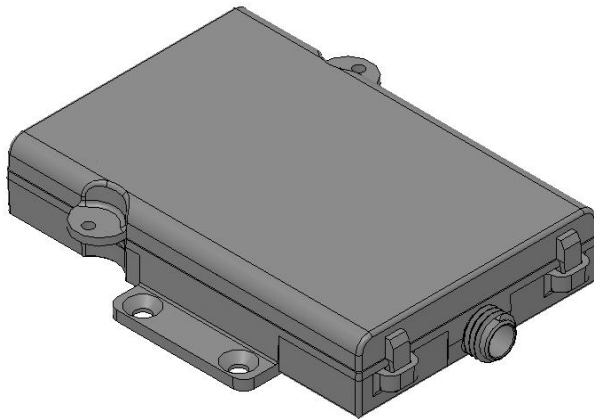


High-Performance Radio module



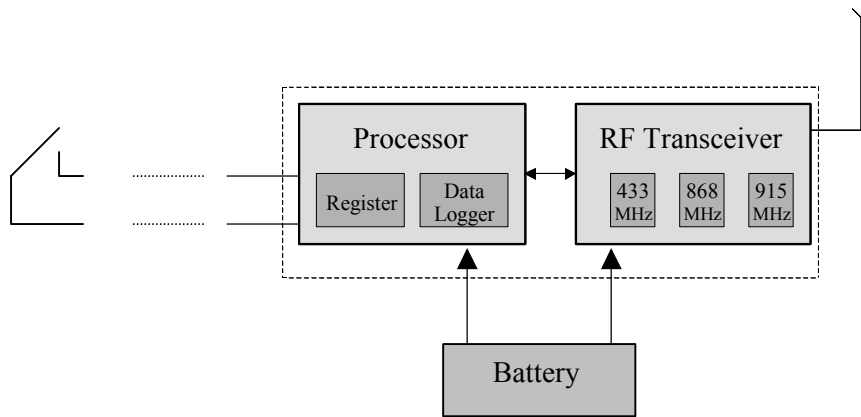
Applications

Xemtec High-Performance radio module is designed for collecting, storing and transmitting data such as current meter readings, middle-of-month and end-of-month reading from electricity, gas, water and district heating meters that are equipped with a pulse interface. This module can be used universally and can be connected to any metering device with a potential-free relay or a pulse output.

Technical data

| | |
|-----------------------------|-------------------------------|
| Frequency | 868MHz |
| Modulation | FSK |
| AFC | yes |
| Multi-channel system | yes |
| Power | up to +15dBm |
| Transmission | Bi-directional, half-duplex |
| Baude rate | 4.8 ... 19.2kB |
| Operating mode | wake up call / master - slave |
| Range | up to 1500m in open field |
| Battery | 2 x Lithium 3.6V, 2.1Ah |
| Lifetime | > 10 years |
| Dimension | 115 mm x 70 mm x 20 mm |
| Weight | 95 g |
| Operating temperature range | -40 ... 85 °C |
| Storage temperature range | -55 ... 125 °C |
| Ambient humidity | 0 to 99% |
| Pulse frequency | 0 ... 15 Hz |

BLOCK DIAGRAM OF PULSE-BASED END POINT



Xemtec System Architecture The Big Picture

