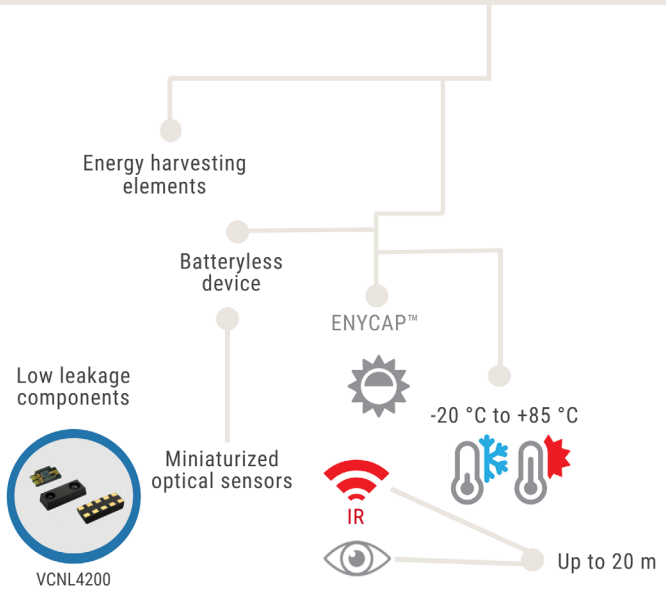
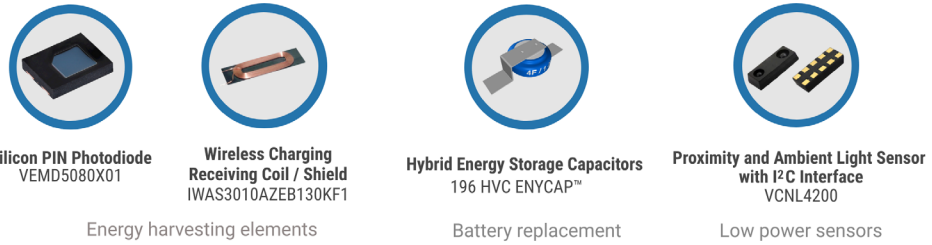
IoT

Batteryless Self-Sustaining Devices

Install and Forget – the Ultimate Guide

> 10 years Operating Life-Time





Silicon PIN Photodiode
VEMD5080X01

Wireless Charging Receiving Coil / Shield
IWAS3010AZEB130KF1

Hybrid Energy Storage Capacitors
196 HVC ENYCAP™

Proximity and Ambient Light Sensor with I²C Interface
VCNL4200

Energy harvesting elements

Battery replacement

Low power sensors

ADVANTAGES

- Infinite operating lifetime
- Measure conditions in hard to maintain places
- Cost savings on maintenance
- Low profile components for miniaturization
- Ambient temperature -20 °C to +85 °C
- Environmentally friendly – Vishay Green
- Portable

APPLICATIONS

- Presence Check
  Proximity Detection
- Ambient Light Control
  Health Monitoring
- Biometric Monitoring
- Wearables
  Gesture Sensors

Need Technical Support? Email our Vishay Application Experts

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