



PLX-IOT
**CONFIGURABLE
IOT FRAMEWORK**

Long distance, extended operation IoT solutions

Plextek's configurable IoT framework enables rapid development and deployment of customised IoT solutions, particularly those requiring extended operation on battery power.

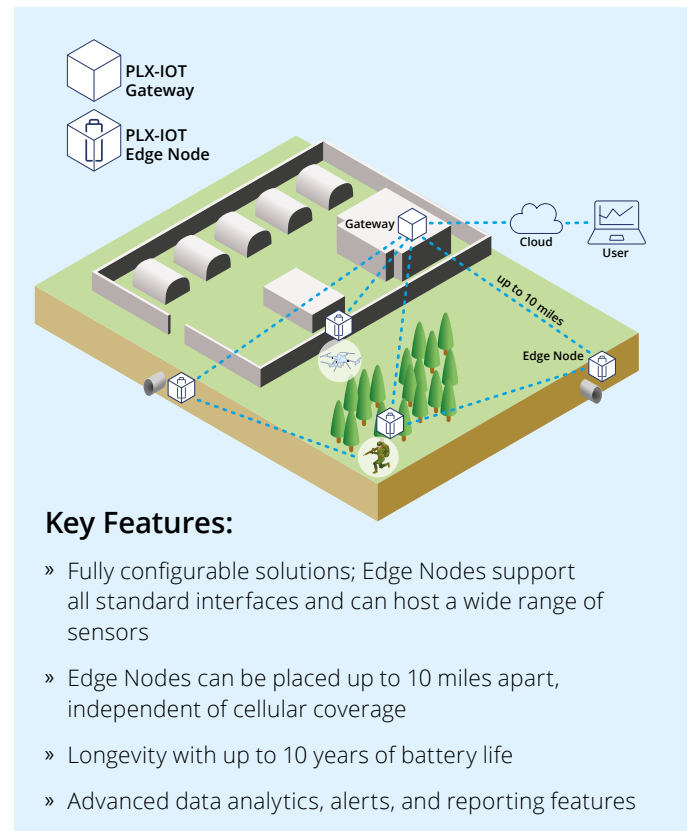
Our PLX-IOT consists of edge nodes, gateways and a cloud server. It provides several advantages for those seeking to design and deploy an IoT solution. Our edge nodes require no infrastructure and can last on battery power for over a decade whilst providing regular updates from sensor readings.

Gateway

The Gateway can support communication with several thousand edge nodes and provides the link between them and a cloud-based server via an internet connection. Wi-Fi, Cellular, Ethernet and Satellite can all be supported. Our cloud-based server provides for a convenient means to design a customized user interface meaning you can get to market quicker, with technical confidence.

Edge Nodes

The Edge Node can host a wide variety of sensors as it supports a range of communication protocols including USB, I2C, SPI and UART. Edge nodes can communicate wirelessly up to 3 miles in urban, and 10 miles in rural areas and do not rely on cellular or other network infrastructure. The edge nodes also support edge processing, including efficient implementation of neural networks and other advanced machine learning methods including support for TensorFlow.



Key Features:

- » Fully configurable solutions; Edge Nodes support all standard interfaces and can host a wide range of sensors
- » Edge Nodes can be placed up to 10 miles apart, independent of cellular coverage
- » Longevity with up to 10 years of battery life
- » Advanced data analytics, alerts, and reporting features