WIRELESS LOGIC **IOT CONNECTIVITY**

NB-IoT

NarrowBand-IoT (NB-IoT) is an alternative technology to 2G/3G connectivity. It's best suited for stationary sensor devices that only send very small amounts of non-real-time data, are battery or solar powered and located in places where other technologies would struggle to get a signal.

Find out why our customers use NB-IoT...

NB-IoT Benefits

Lower hardware costs and longer battery life offset by:

Battery efficient

NB-IoT will provide the most energy efficient solution for applications that are battery or solar powered.

Long product life cycles

NB-IoT helps support long application life cycles for sensor applications where data traffic is low and transferred intermittently, uses batteries/with no mains power.

Strong signal penetration

The deepest reach of any LPWA network from basements, underground car parks, water meters or sensors deployed below street level.

Mass deployments

Low hardware and operating costs make long-term, massive volume IoT deployments viable.

Considerations for deploying NB-IoT

- **Fragmented coverage**
  Limited or no coverage in many countries
- **Only a single network per country**
  Single network in most countries limits resilience
- **Limited Services**
  *NB-IoT is data only (no SMS/Voice) and doesn't support FOTA**
- **Not compatible with eSIM**
  Standard eSIM implementations require SMS which NB-IoT does not support
- **2G/3G network sunsetting**
  NB-IoT is a good alternative to 2G/3G in some use-cases

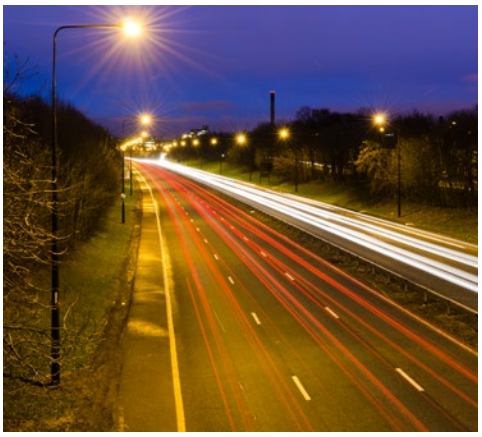
**firmware over the air*

Explore applications we're connecting with NB-IoT...

Applications we're **connecting** with NB-IoT...

Smart meters

NB-IoT is a good fit for devices like gas or water meters as they are battery operated, deployed in basements and only send small amounts of data. Signal penetration of NB-IoT is a key advantage.



Smart cities

NB-IoT suits smart city applications such as lighting, alarms, parking and air quality sensors. With these applications, data traffic is low and transferred intermittently. Devices are often battery/solar powered.

Smart agriculture

Applications such as soil, temperature or humidity sensors, help to improve crop yield and prevent wastage and can work within the the limits of the data rate and benefit from a very long battery life.

Your applications will be **secure**

NB-IoT is a highly secure and cost-effective way to provide connectivity to static applications and devices that generate low data traffic or have a long life cycle.

NB-IoT is compatible with specific modules which our IoT solution experts can advise on and comes with LTE grade security as standard, keeping your data and network secure.

Talk to our IoT solution experts to select the right LPWAN technology for you...

Why Wireless Logic for NB-IoT?

IoT Expertise

Knowledge and expertise from our IoT experts to help you select the right solution and keep total cost of ownership low.

MNO Partnerships

Network choice and access to MNO expertise and test labs for your applications

Ultimate Control

NB-IoT services fully integrated into our SIM management platform, **SIMPro**.

Secure

Multi-layer security that builds in the high security standards built into NB-IoT. ISO27001 certified.

Rapid Deployment

Fast and expert deployment, solution design, customer service and tech support.

Contact us today...

to talk to an expert or get a quote

Call: **0330 056 3300** Email: **hello@wirelesslogic.com** Web: **wirelesslogic.com**

wireless logic