



eHealth

Connectivity for Independent Living

Independent Living applications such as devices and sensors enable elderly and vulnerable people to live independently and safely within their own home. Non-intrusive applications monitor the patterns and behaviours to identify any small changes that could indicate a change in the individuals wellbeing or health, informing carers, healthcare organisations or family.

Data captured can be used to help healthcare professionals and carers make informed decisions if there is a change in routine or behaviors to then determine if a home visit or medical appointment is required. Monitoring solutions all differ and require varying levels of bandwidth when transmitting data.

Cellular connectivity can provide Solution Providers and Device Manufacturers with an 'Always On' secure and reliable 4G solution for higher bandwidth or LTE Cat-1 BIS / LTE-M for battery operated or lower bandwidth applications.



Find out more... >



'Always-On' Connectivity

Network connectivity which is resilient to outages or poor signal coverage



Rapid Deployment

Devices should deploy and operate without any network surveys or customisation



Data Security

Security and privacy of patient identity and information



User Experience

Devices should work straight out of the box and be easy to use without the need or complexity of Bluetooth or WiFi



Lower Cost of Ownership

Long battery life, smaller form factors and remote configurability

Why consider cellular connectivity for your Independent Living applications

- **'Always-On' Connectivity**
eSIM and 4G LTE technologies provide connectivity options which are more resilient than WiFi. They also provide the flexibility for Device Manufactures and Solution Providers to create single product SKUs which can be deployed or re-deployed quickly into new markets. This reduces manufacturing costs and simplifies logistics.
- **Rapid Deployment**
Coverage issues are mitigated by roaming SIMs which allows devices to find and connect to the 'strongest signal'. eSIM allows network providers to be updated over-the-air should commercial or network performance issues arise.
- **Data Security**
SIM-based authentication and secure private networks (Private APN and VPN) provide protection from internet security risks such as WiFi hubs and ensure secure routing to approved data centres.
- **Improve on BTLE, WiFi user experience**
With 4G LTE there is no need to pair devices with other equipment. Devices can operate independently with minimal set-up.
- **Lower Cost of Ownership**
4G supports high performance applications like video. LTE Cat-1 BIS and LTE-M provide single antenna options and battery efficiency which can help keep hardware costs and device dimensions smaller.
- **2G/3G sunsetting**
LTE Cat-1 BIS and LTE-M are good alternatives to 2G and 3G which will be turned off during the next few years.



Independent Living applications connected with **cellular connectivity**



Home Hub

Connects individuals with healthcare professionals and carers in real time, providing them with peace of mind. Cellular connectivity links the hub and sensors deployed around the home directly to the monitoring centres through IP technology.



Wearables

Enables users to raise the alarm from anywhere in the home if they are needing assistance, sending a signal to the main hub to alert the monitoring station or healthcare professionals.



Medication Adherence

Helps individuals remember to take the right medication at the right time and can alert healthcare professionals or the monitoring centre if it isn't taken within a timeframe.



Your Independent Living applications will be **secure**

Keeping patient data secure is critical. Risk of data breach or hacked information can have huge and damaging implications for the patient and the healthcare provider.

Locking down and encrypting data through private network overlays will help to mitigate any risk of data loss. By working with a connectivity provider with ISO27001 certification, Solution Providers and Device Manufacturers will have the reassurance that any data generated will be managed and processed securely.



Talk to one of our solution experts about which cellular solutions would be right for your deployment... ➤

Why Wireless Logic for Independent Living?



Resilient connectivity

Un-steered roaming for secure 'Always-On' 4G, LTE Cat-1 BIS and LTE-M connectivity.



Secure two-way data

Private network infrastructure with private APNs and VPN solutions.



Total Control

Any network, any number of deployments, all centrally managed through the **SIMPPro** platform.



IoT Expertise

Tailored solutions for your application's specific connectivity needs.



Security Standards

ISO27001 accredited.

Contact us today...

to talk to an expert or get a quote

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