

unitech's P Wireless Technology

WHY (Reason to build this technology)

Have you ever observed that most wireless mice come with a USB receiver? As the picture below, wireless mice manufacturers often use point-to-point 2.4GHz technology instead of Bluetooth because it:

1. Simplifies the pairing process
2. Consumes less power



HOW (Concept of Technology)

unitech engineers decided to apply this computer-mouse-like technique to barcode scanners to solve the complex pairing problem and improve battery life. It was a challenge because some data loss during mouse-to-receiver transmission is acceptable because the mouse will still properly perform, but data loss is not acceptable at all with barcode scanners.

WHAT (Case study benefits)

unitech engineers overcame this issue and developed what we call unitech's "P" for proprietary wireless technology. The pairing process is simple; just plug in the USB receiver and start scanning. And, as you can see below, the MS840-laser-scanner's battery life improves 266% when comparing the MS840P with the MS840B using Bluetooth.

MS840	Operation Time*
<u>Bluetooth</u>	30 Hrs.
<u>unitech "P"</u>	80 Hrs.

We hope these advantages will bring you a better experience and help you enhance the work efficiency.

