

Mobility Solutions

ANSWERING THE CALL FOR IMPROVED DATA COLLECTION IN THE FIELD WITH THE OPN2002



ABOUT OPTICON

As a global supplier of Automatic Identification and Data Collection equipment, Opticon is continuously focused on innovation. The product line of Opticon consists amongst other products of Opticon's ultimate success range of unique real-time data collectors. For more information about the Opticon data collectors or the Opticon mobile solutions visit <http://www.opticon.com/Data-Collectors.aspx> or <http://www.opticon.com/Mobility.aspx>

FEATURED PRODUCT: OPN2002

Key OPN2002 features for this solution:

- Easy data collection
- Reliable field data capturing
- Real-time communication via Bluetooth

INTRODUCTION

"Collecting and transferring information remains one of the toughest challenges for mobile workers, since a central database is only as good and competitively useful as the information that is channeled to it by these mobile workers" This is where affordable and reliable wireless data collection tools come into play to capture barcode data and instantly send it back to a shared information resource.

Mobile and handheld barcode scanning devices have proved to be effective data collection tools across a wide range of applications and business situations. They can speed up the data collection process, reduce errors related to manual input techniques, improve worker efficiencies within an organization and enhance the quality and reliability of a company's information resources. The OPN2002 from Opticon combines barcode scanning with widely recognized Bluetooth communication providing a real-time communication solution and workflow efficiency.

CHALLENGE

With an increasing reliance on mobile workers as a 'frontline' data collection resource, there is an even greater need for reliable wireless barcode scanning devices. Multiple technology developments drive the use of compact mobile scanning devices.



One of the most important is the evolution of Bluetooth short-range communication. When making use of existing wireless networks, Bluetooth enabled devices like cell phones, with which mobile workers are already working, can quickly feed the information back to the central location without the need for any software investment. The Bluetooth technology serves as a bridge between mobile scanning devices (like Opticon's) and the enterprise system.

SOLUTION

Opticon's solution is based on its Bluetooth-enabled OPN2002. This pocket memory scanner quickly captures field data and wirelessly links to notebook PC's, BlackBerry's and other smart phone devices. Because of its size and weight, the OPN2002 is perfectly suitable for field activities. It weighs less than 30 grams and can be put in every pocket or bag and taken everywhere.

In the field, the OPN2002 can be used to quickly input product and parts information such as service numbers of on-site equipment. The field service workers can transfer the collected information using existing wireless mobile devices - like cell phones and more data-capable devices - and use personal-area and/or wide-area wireless networks to transfer data from any point in the field back to a central location.

Parcel and delivery personnel rely on the same mobile and wireless systems to quickly capture barcode data of parcels and transmit it via Bluetooth and conventional cellular networks to a central location, allowing real-time access to shipment information. The OPN2002 provides a vital link from the field or customer site back to the office.



RESULTS

Corporations have already discovered the cost benefits and effectiveness of improved data collection in field service with the introduction of data collectors. Personal networking technologies like Bluetooth, and the ability to make use of any (cellular) network and device regardless of the provider of manufacturer, are indispensable features when it comes to selecting a conveniently adaptable mobile solution.

“Mobile barcode scanners enhance fieldwork efficiencies of any organization”

IN SHORT

- ✓ The OPN2002 can easily be used in conjunction with existing mobile devices
- ✓ No additional (software) investment is needed
- ✓ This solution is based on 'mature technologies' and standards that are widely accepted
- ✓ Implementing the OPN2002 places a minimal strain on existing service and support structures
- ✓ The design and application of the OPN2002 are user friendly and require a low learning and acceptance curve

The Opticon mobile data collection solution with the OPN2002 provides a cost-effective and easily managed solution to data collection and information challenges.

DATA TRANSMISSION

The OPN2002 is equipped with two profiles for data transmission to a Bluetooth hosting device. The SPP profile allows the user to use a data loading tool and configure some Bluetooth transmission settings. For direct transmission without using any tools the HID profile will fit the immediate wireless transfer needs. In occasions where Bluetooth is not provided, access by the USB port enables (cabled) data transfer to any USB device. A dedicated 10-bay cradle is available for wired communication to a PC.