



Description

The OPN-2500 is a compact and versatile barcode scanner equipped with Bluetooth Low Energy (BLE) connectivity, USB-C, extended battery life, mobile App support (OptiConnect) and a high-speed 1D laser scan engine. The OPN-2500 is the successor of the popular OPN-2001 and OPN-2006 in one product. It's packed with the latest features and technology.

Its ergonomic design, combined with its compatibility with various devices such as smartphones, tablets, and computers, make it an ideal tool for a wide range of applications, from retail and inventory management to logistics.

The OPN-2500 is our most versatile 1D Companion scanner to date, supporting a large number of modes and features to make it an indispensable tool for a variety of applications.

Key features

Some of its key features include:

- **Bluetooth Low Energy (BLE) Connectivity:** The OPN-2500 features modern Bluetooth 5.4 compliance, supporting Bluetooth Low Energy (BLE) with multiple services such as HID (Human Interface Device), DFU (Device firmware update), UART (Serial port emulation), and OptiConnect (Mobile application).
- **USB-C Connectivity:** A wide range of USB modes are supported, being USB COM-port (USB-VCP, USB-CDC; OptiConnect, OPN Companion mode, Firmware updates), USB-HID (Keyboard) and USB-MSD (Mass Storage Device).
- **Compact and Portable:** With its compact size and lightweight design, the OPN-2500 is highly portable and can easily fit into your pocket or bag, allowing you to take it wherever you go.
- **3-in-1 default application:** The firmware contains all 3 popular applications of the OPN-2001 and OPN-2006: OPN-2001 mode (Companion), Bluetooth application and Batch application.
- **High-Performance Scan Engine:** Equipped with a high-speed 1D scan engine, the OPN-2500 delivers fast and accurate scanning. Its 1D laser scan engine can capture barcodes at a speed of up to 100 scans per second, ensuring stress-free scanning in any environment.
- **Extended battery life:** Utilizing the advantages of Bluetooth Low Energy, very energy efficient hardware and a larger battery. The OPN-2500 can stay idle for months, connected to Bluetooth for weeks and scan thousands of barcodes without a recharge.
- **Flash memory:** Its 2MB flash memory ensures that the OPN-2500 can safely store more than 20,000 barcodes, whether you're connected or not or ever run out of battery.
- **Durable and User-Friendly Design:** Crafted with durability and user-friendliness in mind, the OPN-2500 is built to withstand the rigors of daily use while providing a seamless scanning experience. Its proven design and intuitive interface make it one of the most user-friendly scanners in the industry.

OptiConnect

OptiConnect isn't just an app; it's an optimized solution for Opticon's premier BLE barcode scanners, including the OPN-6000, OPN-2500, OPN-2006, PX-20 and RS-3000. Streamline retail checkouts, manage inventory, and improve data accuracy with OptiConnect. With its user-friendly design and integration with Opticon's barcode scanners, elevate your efficiency and productivity.

Download OptiConnect now. Experience next-level barcode scanning, simplify workflows, and stay ahead with OptiConnect. For more information, visit opticon.shop/opticonconnect.

The versatility of the OPN-2500 makes it suitable for a wide range of applications, including:

- Retail:** Streamline checkout processes and inventory management tasks in retail environments.
- Logistics:** Track and manage shipments, inventory, and warehouse operations with ease.
- Ticket control:** Use the barcode validation features of OptiConnect for ticket control.
- Field Service:** Enhance productivity and efficiency in field service operations, such as equipment maintenance and repair.

The following Bluetooth and USB modes will provide a solution for almost any application:

- Bluetooth BLE HID: Bluetooth Keyboard emulation
- Bluetooth BLE mode: Bluetooth connectivity with OptiConnect
- Bluetooth DFU: Device Firmware update using OptiConnect
- USB-MSD: Batch application for USB Mass Storage device
- USB-Serial: Batch application with USB file transfer (OseComm32)
- USB-VCP: USB serial bar code reader (with and without memorizing)
- USB-CDC: USB serial bar code reader (with and without memorizing) (platform independent)
- USB-HID: USB Keyboard emulation(with and without memorizing)
- OPN Companion App and SDK (PC) compatible (OPN-2001 mode)
- Appload support (device firmware update by USB)
- OptiConnect: for iOS, Mac OS, Android and Windows

Features

Properties

- Warranty: 2 years
- Serie(s): OPN-2500
- Including: Neck strap USB-A (male) to USB-C (male) cable Quick Start Guide

Physical

- Dimensions (W x D x H): 32 x 62 x 16 mm
- Case material: ABS-HH
- Color: Black
- Weight: 29 g
- Connection(s): USB-C

Technical details

- Platform: Proprietary
- IP rating: IP42
- Scan engine: Laser (1D)
- Charging: Wired
- Communication: USB-CDC USB-HID USB-VCP USB-MSD
- Wireless Communication: Bluetooth HID Bluetooth SPP Bluetooth 5.4 BLE

