FUZZYSCAN SD112

Bluetooth Smart Dongle

A small communication base that delivers exceptional wireless coverage

The SD112 smart dongle provides a quick and easy solution to wirelessly link your FuzzyScan Bluetooth imager with a host device. It is perfect for applications in which the host device is not Bluetooth-enabled, and where space is constrained. It also optimizes the use of FuzzyScan imagers in various sectors, including retail, commercial and healthcare.

- Integrated with the latest Bluetooth technology
- Instant cordless solution
- Easy pairing via the dongle's quick pair barcode
- Wireless coverage of over 100m, line of sight
- Peer-to-peer connection under PAIR mode
- Up to 7 scanner connections under PICO mode
- Small and compact
- Ideal for applications with space constraints


Easy Pairing


Small and Convenient

Instant Cordless Solution

The SD112 is built with the latest Bluetooth technology, providing a coverage distance of over 100 meters when paired with FuzzyScan imagers. It serves as a plug-and-play cordless solution for host devices that lack Bluetooth capabilities. This portable device also supports peer-to-peer connection under PAIR mode, and up to 7 scanner connections under PICO mode.

Compact, Portable and Easy to Use

Small in size, the SD112 is highly portable and conveniently fits in cramped spaces. Bluetooth pairing with imagers can be easily achieved by scanning the smart dongle's quick pair barcode. Should radio link with the SD112 be lost after pairing, the imager will automatically attempt to reconnect once it detects the smart dongle's signals.

Works with Various Host Devices

The SD112 is widely compatible with today's technological platforms, offering users a high level of flexibility and convenience. It can be connected to a wide range of host devices through HID or virtual COM. Furthermore, the smart dongle supports all major operating systems: Windows, Linux, Mac OS, Android and iOS.

Data Transfer Reliability

The smart dongle provides outstanding reliability when it comes to data reception. Its transfer protocol is specifically designed to work with FuzzyScan Bluetooth imagers and ensure successful receipt of the data transmitted.

Clear Visual Feedback

Status information for the smart dongle is delivered through its multi-color LED lights. These indicators will flash in pre-determined patterns to provide users with conspicuous visual feedback.

SPECIFICATIONS

Performance Characteristics

Operating System	Windows 7/8/10, Linux, MAC OS, iOS and Android
Host Interface:	USB HID (USB Keyboard) USB VCOM (USB COM port emulation)
Interface:	USB 2.0 full-speed

Communication Characteristics

RF Standard	Bluetooth v4.0
RF Frequency Band	2.402 ~ 2.4830 GHz unlicensed ISM band
Radio Link Modes	PAIR, PICO
Communication Range	Wireless coverage of over 100m, line of sight

Physical Characteristics

User Interfaces	1 blue link indicator 2-color status indicator
Dimensions (L x W x D)	65.5 mm x 21.0 mm x 9.3 mm 2.58 in x 0.83 in x 0.37 in
Weight	9g
Color	Black and White

User Environment

Drop Specifications	Withstands multiple drops from 1m (3.3ft) to concrete
Operating Temperature	-10˚C to 50˚C (14˚F to 122˚F)
Storage Temperature	-40˚C to 60˚C (-40˚F to 140˚F)
Humidity	5% to 95% relative humidity, non-condensing

Electrical Characteristics

Operating Voltage	5VDC ± 10%
Operating Current	Operating: Max.85 mA Standby: Max.85 mA (Scanner with Smart Dongle)

Safety & Regulatory

EMC & Radio	CE, FCC