

Bluetooth Access Point

Wireless Communication Device

Honeywell's Bluetooth® access points provide customers with a flexible and convenient solution for wireless communication in a variety of environments, including retail, healthcare and manufacturing.

The access point separates charging from communication, allowing the devices to be positioned for the optimization of radio range. Class 2 Bluetooth communication allows users to achieve 10 meters of wireless connectivity with Honeywell's Xenon™ 1902 wireless area-imaging scanner.

A multi-interface design enables the access points to be connected to the industry's most popular host systems, through a variety of interfaces including keyboard wedge, RS232, USB and IBM 46XX (RS485). Additionally, the access point can be flash upgraded through RS232 or USB interfaces.

Engineered for use in challenging environments, Honeywell's access points utilize a single board construction that minimizes failure. An IP54-rated design also protects the devices from exposure to dust and splashing water.

Hard mounting is quick and easy using the built-in screw holes. The Bluetooth access points can also be mounted using the Velcro strips that are included in the kit.



Features

- **Multiple Interfaces:** Reduces overall system cost
- **Scanner Paging:** Identifies connected scanner with the press of a single button
- **Manual Disconnect:** Disconnects device by simply pressing and holding the button
- **Auto-Reconnect:** Requires no user interaction to re-establish Bluetooth connection, when a connected scanner exits then re-enters range
- **Connection Indicator:** Visually displays when the access point is actively connected to a Bluetooth device
- **Environmentally Protected:** IP54-rated design withstands exposure to dust and splashing water, as well as drops from 1 meter

Bluetooth Access Point Technical Specifications

Operational

Visual Indicators	Slow Flash = No scanner connected; Rapid Flash = Data being transferred; Steady Blue = Bluetooth connection made
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46XX (RS485 via padded cable)

Wireless Technology

Radio	2.4 to 2.4835 GHz (ISM Band) Frequency-Hopping Bluetooth v2.1
Range	Class 2: 10 m (33') line of sight
Data Rate (Transmission Rate)	3 Mbit/s (2.1 Mbit/s)
Profiles	Serial Port Profile (SPP)
Security	Configurable: Mode 1, Mode 2, Mode 3
Connectivity	Multi-point (up to 7 devices)

Mechanical

Dimensions (LxWxH)	109 mm x 71 mm x 28 mm (4.3" x 2.8" x 1.1")
Weight	66g (2.3 oz)
Termination	10-pin modular RJ45

Electrical

Input Voltage	5 VDC \pm 0.5V
Operating Power	0.5 W (100 mA @ 5 V) – typical
DC Transformers	Class 2: 5.2 V @ 1 A
EMC	FCC Part 15, ICES-003, EN55022 Class B

Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% - 95% relative humidity, non-condensing
Drop	Designed to withstand 50 1 m (3') drops
Environmental Sealing	IP54 with o-ring accessory; IP41 without o-ring accessory
Warranty	3 year factory warranty

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BTAccess DS Rev A 04/10
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