



Wireless  Next-Gen ATEX Wi-Fi Access Point

Wireless X Next-Gen ATEX Wi-Fi Access Point

BARTEC PIXAVI



« No more 50 kg steel enclosures. This is a revolution! »



ATEX Zone 1



IECEX Zone 1



High Performance



Highly Customizable



Multi Frequency



802.11 a/b/g/n/ac



75 % lighter



50 % shorter install time



75 % smaller

UNIQUE FEATURES

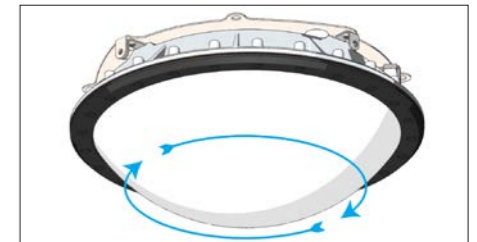
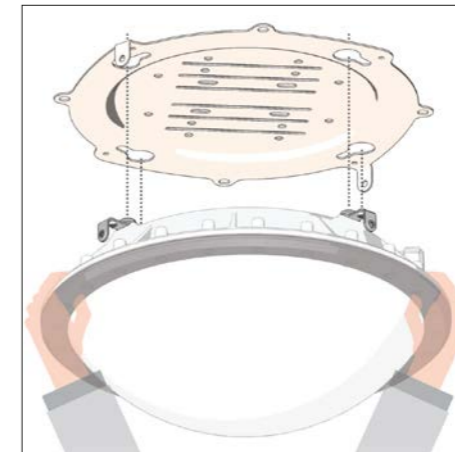
Powered by 802.11a/b/g/n/ac dual band access points, the Wireless X does not require external antennas. By using internal antennas, combined with years of experience creating innovative Ex-certified products, we have managed to create a smart solution. The Wireless X is built with an RF transparent dome to eliminate the need for external antennas.

The new and smart circular design, ensures that the product is well within the requirements for the Ex certification. With a rigid aluminum base, the Wireless X is IP 65 and IECEx and ATEX Zone 1 compliant. The result is a staggering reduction of 1/2 the installation time, 1/4th of the weight and 1/4th the size compared to an Ex-d based enclosure solution with external

antennas. This allows the users to create Wi-Fi in any hazardous location at a fraction of the cost, compared with legacy solutions. The software is Cisco's own, making it plug and play for most networks. The Cisco Wi-Fi portfolio is industry leading and known amongst most IT management organizations.

SMART MOUNTING

The innovative mounting bracket makes it easy to install the access point by just one person. The bracket can be mounted at the installation location prior to the arrival of the access point. When you have the connections terminated (POE or fiber with local power) in the Ex e chamber, you can easily install the Wireless X without any additional tools. Wireless X has standard dimensions and "turn and click" lockable fastening mechanism. This assures that the device can be fitted to most surfaces, columns or pipes. This makes the bi-annual inspection of the Ex-e chamber easy, saving as much as 50 % of the time and effort needed for inspections. Mounting options for pole mounting also available on request. The mounting kit includes smart dome stand box and safety wires.



REVOLUTION

The Wireless X is nothing but a revolution within Wi-Fi in hazardous areas. Based on 25 years of Ex experience, BARTEC have created the smallest, lightest and highest performing Wi-Fi access point for zone 1 available on the market. Based on both clever engineering, material science and state of the art wireless infrastructure, we are now eliminating the need for bulky and heavy enclosures and antennas.

LATEST TECHNOLOGIES

The compact design, with a smart combination of metal and plastic material technology has several benefits. By using the latest Wi-Fi access points from industry leaders such as Cisco, we were able to both offer the newest Wi-Fi technology, in a more compact form factor. Wireless X ensures reliable operation as well as optimal coverage, security and network speed.

FLEXIBLE


The Wireless X can be used for both Wi-Fi, WirelessHART, Bluetooth, ISA 100 as well as 2G/3G/4G mobile networks. The Wireless X is available in both POE and fiber with integrated dual band antennas and MIMO technology, depending on the hardware you place inside. You do not need external antennas. This means you can save cost of the antenna, cable and glands.

KEY ADVANTAGES

- No external antennas means reduced weight, cost and size
- Use latest Wireless technology from Wi-Fi industry leaders in hazardous areas
- Future application platform: including WirelessHART, Bluetooth, ISA 100, 2G/3G/4G and others
- Compared with existing solutions, the Wireless X is a "plug and play" and "off the shelf" solution
- Easy installation, inspection and maintenance
- Compatible with various access points



Explosion protection

Marking ATEX	 II 2G Ex db eb IIC T6 Gb $-20\text{ °C} \leq T_{\text{amb}} \leq 60\text{ °C}$
Certification	Presafe 17 ATEX 11333 X
Marking IECEx	Ex db eb IIC T6 Gb
Certification	IECEx PRE 17.0059 X
Other approvals and certificates, see www.bartec.de	

Technical data

Input voltage range	85 - 264 VAC (47 - 63 Hz), 120 - 370 VDC
Wireless	Wi-Fi 802.11 a/b/g/n/ac
Interfaces	Terminal block connection for Ethernet cable Splice tray for 9/125 µm single-mode fiber POE supported
Ambient temperature	-20 °C to +60 °C (with total dissipation up to 22.5 W) -20 °C to +53 °C (with total dissipation up to 34 W)
Antennas	Integrated
Size	Ø 452,5 mm Thickness 188 mm
Weight	8 kg (excluding access point mounted inside)
Compatibility	We recommend using Cisco 27xx, 28xx, 37xx and 38xx series Cisco access points, but other Cisco variants along with equipment from other leading Wi-Fi brands will also be compatible
Material	Aluminium and RF transparent dome

Mounting options



The Wireless X is developed in cooperation with Cisco

