

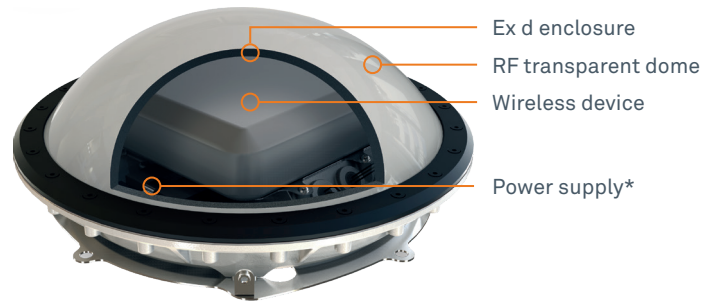
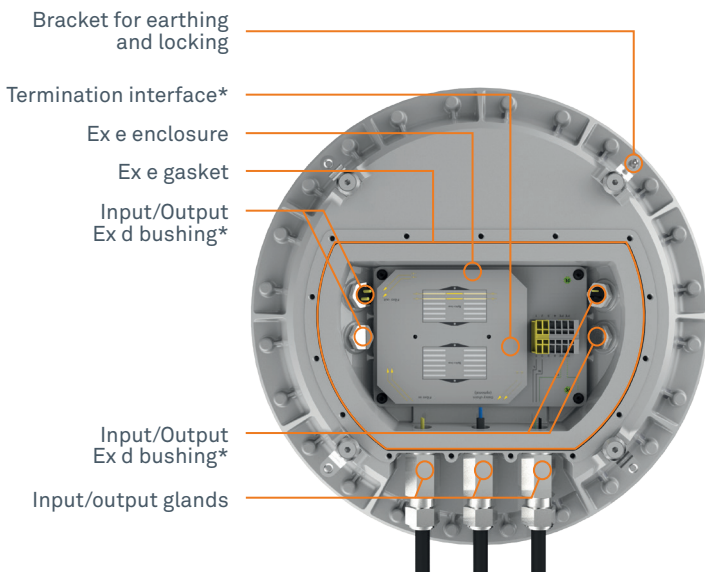
# **Wireless X**

Next-Gen ATEX Wi-Fi Access Point



# Wireless X

## Explosion Protected



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



ATEX Zone 1



IECEX Zone 1



no external antennas



Highly Customizable



Multi Frequency



802.11 a/b/g/n/ac\*

\* depends on the utilized access point

### Unique features

- No external antennas means reduced weight, cost and size
- Use latest Wireless technology from Wi-Fi industry leaders in hazardous areas
- Different customer specific Access Points can be installed
- 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

### 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 supports a wide variety of enterprise-grade access points. For our customers this means easy deployment and seamless roaming between EX and safe areas using the same unified Wi-Fi solution throughout the entire facility. 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.



**75 %**  
lighter



**50 %**  
shorter install time



**75 %**  
smaller

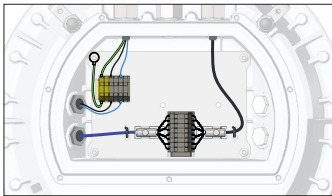
### Particular details

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

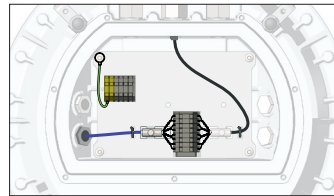
antennas. The IECEx and ATEX Zone 1 certified, IP grade 67 Wireless X has an innovative cutting-edge circular design. The result is a staggering 75% smaller and lighter enclosure than traditional solutions, requiring half the installation time. This allows the users to create Wi-Fi in any hazardous location at a fraction of the cost, compared with

legacy solutions. The Wireless X supports a wide variety of enterprise-grade access points. For our customers this means easy deployment and seamless roaming between EX and safe areas using the same unified Wi-Fi solution throughout the entire facility.

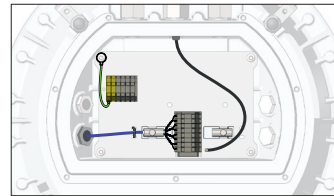
### Configuration options



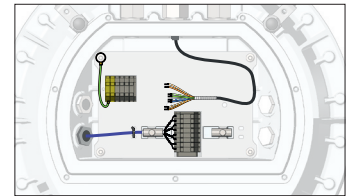
**Fiber version**  
85-264 VAC input



**Power Over Ethernet**  
48 VDC input



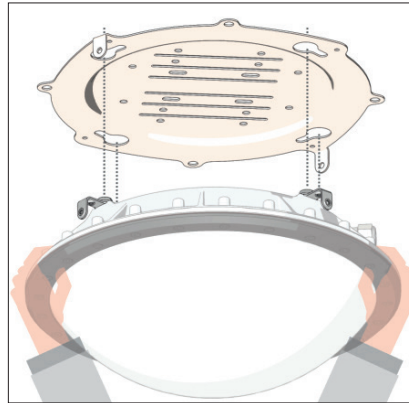
**Ethernet with separate power**  
85-264 VAC input



**MESH Network power only**  
85-264 VAC input

### 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.



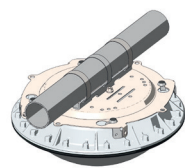
Example: Ceiling mounting

### Mounting options



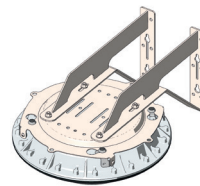
#### Ceiling

Ceiling mounting  
Included in standard delivery



#### Pipe (horizontal/vertical) BPX-AC-PIPE (accessory)

Pipe bracket mounting on the pipe  
BPX-AC-WX-PIPE-BR  
03-9817-0002  
426873



#### Wall BPX-AC-Wall (accessory)

Wall bracket mounting on the wall  
BPX-AC-WX-WALL-BR  
03-9817-0001  
426873

## Explosion protection

Marking ATEX	II 2G Ex db eb IIC T6 Gb -20 °C ≤ T <sub>amb</sub> ≤ 60 °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 <a href="http://www.bartec.com">www.bartec.com</a>	

## 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	Cisco 27xx, 28xx, 37xx and 38xx series Aruba 200, 300, 310, 320, 330 and 340 series  Other Wi-Fi access points can also be integrated. Please contact therefore your local BARTEC specialist.
Material	Aluminium and RF transparent dome

\* depends on the utilized access point

## BARTEC

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ACS

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Development &  
Corporation partners



**aruba**  
a Hewlett Packard  
Enterprise company

