Wireless ✕ Next-Gen ATEX Wi-Fi Access Point

Ex Certified

Dual Band Wifi

High Performance

Highly Customizable

Multi Frequency

Zone 1

1/4
SIZE

1/2
INSTALL TIME

1/8
WEIGHT

Based on the new Cisco 3700 802.11 a/b/g/n/ac dual band access point, the Wireless X does not need any external antennas, glands or cables. By using the internal antennas, combined with years of experience creating industry leading innovative Ex products, we have managed to create a smart solution. The Wireless X has clever use of highest grade polycarbonates in order to remove 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 stainless steel or aluminum base, the Wireless X is IP 68 and IECEx and ATEX Zone 1 compliant. The result is a staggering reduction of 1/2 installation time, 1/8 th of the weight and 1/4 th of the size compared to a 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 Ciscos own, making it plug and play for most networks. The Cisco Wi-Fi portfolio is industry leading and known amongst most IT management organizations.

UNIQUE FEATURES

No need for external antennas,
cables and glands reduces weight, cost and size

Use latest Wireless technology from
industry leaders in hazardous areas

Future application platform: including WirelessHART, Bluetooth, ISA 100, 2G/3G/4G and others

IECEx and ATEX Zone 1 certified

Class 1 Division 1 version

Compared with existing solutions, the Wireless X is a "plug and play" and "off the shelf" solution

Easy installation, inspection and maintenance

Flexible mounting of various access points

SMART MOUNTING BRACKET

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, and 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.

The standard dimensions, and turn and click lockable fastening mechanism makes sure the device can be fitted to any flat surface. This makes the bi-annual inspection of 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.

« No more 40 Kg steel enclosures. This is a revolution! »

The Wireless X is nothing but a revolution within Wi-Fi in hazardous areas. Based on 25 years of experience with Wi-Fi and hazardous areas, BARTEC has redesigned Wi-Fi offering by creating the smallest, lightest and highest performing Wi-Fi access point for zone 1 ever created. 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. Introducing the smart, user friendly, lightweight and circular Wireless X!

The new, compact design, with a new and smart combination of metal and plastic material technology has several benefits. You do not need external antennas. This means you can save cost of the antenna, cable and glands. By using the latest and greatest Wi-Fi access points from industry leaders such as Cisco, we were able to both offer the newest and best Wi-Fi technology, in a more compact form factor. Having the latest Wireless technology ensures reliable operation as well as coverage, security and network speed.

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 technology you choose inside the device.

Explosion protection

Marking ATEX	applied for
Certification	
Marking IECEx	applied for
Certification	
Marking CSA	applied for
Certification	
Marking CSA US	applied for
Certification	
Other approvals and certificates, see www.bartec.de	

Technical data

Antennas	Integrated dual band antennas
Input voltage range	AC 85 V to 264 V, DC 90 V to 375 V or POE (DC 48 V) (Power Over Ethernet)
Wireless	Wi-Fi 802.11 a/b/g/n/ac
Ethernet	Ethernet direct connection or terminal block connection, Fiber 9/125 µm single-mode fiber, 50/125 µm multi-mode fiber or 62.5/125 µm multi-mode fiber
Temperature range	-20 °C to +50 °C
Connectivity	Fiber or POE
Size	Diameter 450 mm Thickness 150 mm
Weight (without Access Point)	6 kg (aluminium) 18 kg (stainless steel)
Ex d	Room for any access point with antennas from Cisco, Aruba or other vendors

Mounting options

The Wireless X is developed in cooperation with Cisco

CISCO™