

EX-WLAN ACCESS POINT AP170

Zones 1, 2, 21, 22

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ATEX COMMUNICATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)

The AP170 is a WLAN ACCESS POINT for Industrial Ethernet in hazardous areas Zone 1, 21, 2 and 22. This device provides an efficient area and cell network in industrial environment according to standard IEEE 802.3 (ETHERNET) and IEEE 802.11 (Wireless LAN).

The various possibilities of Internet and Intranet, already existing in office and industrial area today, are now also available in hazardous areas of manufacturing and process automation.

The AP170 is also available with separated antennas. On this option must be considered that the signal gets attenuated through the cable and the range of the AP170 will be limited.



- WLAN access point for industrial Ethernet networks and wireless DECT telephone systems in Ex-zones 1/21 & 2/22
- POE – Power Over Ethernet
- Supports the current standards for Ethernet (IEEE 802.3af) and WLAN (IEEE 802.11n/ac) and is downward compatible
- Dual-band capable - use of the 2.4 GHz and 5 GHz band
- Current security standards available (e.g. WPA2)
- Versions with fixed or wired antennas
- OEM-specific hardware standards possible
- Cost-effective and simple provision of WLAN for various end devices in hazardous areas



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Antennas:	Electronic core type:	Dimensions:	Article No.:
 AP170-A00001 AP170.2.0	4 x 2.4 GHz and 5 GHz, mounted on housing (2x horizontal, 2x vertical)	Cisco Air-AP28202E-E-K9 provided by customer	240x240x80 mm	4C0701
 AP170-A00004 AP170.4.0	2 x 2.4 GHz, mounted on top of AP170 housing	D-Link DAP-2360 AP (or similar)	200x200x80 mm	4C0702

TECHNICAL SPECIFICATIONS

Marking:	 II 2G EEx e q IIC T4  II 2D Ex tD A21 IP65 T135°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +50°C
Ingress protection:	IP65
Housing:	Aluminum, lacquered / Ral 7035
Mains:	PoE (Power over Ethernet)(optional: separate mains terminals)
Power consumption:	Approx. 14 W
Wireless frequency range:	2,4 GHz...2,4835 GHz
Data rate:	54 MBit/s, Standard 802.11g, 108 MBit/s

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