

# Network technology

## WLAN Access Point according to specification



8265/5.-.... Art. No. 273558



- Use of standard wireless devices in Zone 1
- Fast implementation of a customised structure or OEM solution
- A large selection of enclosure sizes
- Expert support from R. STAHL
- Simplified installation and maintenance thanks to separate connection chamber
- (optional)
- Flexible and safe connection of antennas

MY R. STAHL 8265C



### Application

The 8265 wireless/network enclosure system enables the use of standard wireless or network devices such as the WiFi access point, gateways with mobile communications, LoRaWAN, Bluetooth or RFID readers in Zone 1 or 21 that do not have approval for operation in hazardous areas. The international approvals make it possible to quickly implement a project-specific, customised structure or an OEM solution.

### Benefits

Ex d enclosure bushings are used for applications involving devices with external radio interfaces. These bushings make it possible to install or remove the antenna or antenna cable without switching off the fitted device.

Ethernet or optical cables can be connected using a separate connection chamber (Ex e) if required. This allows for quick yet safe connections in the field.

The engineering of your solution is based on the information from the form: Customized solution\_8265 | EN, available on the Internet.

## Technical Data

### Explosion Protection

Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 07.0029
IECEX gas explosion protection	Ex d e [ia Ga] IIC T6 Gb
IECEX dust certificate	IECEX PTB 07.0029
IECEX dust explosion protection	Ex tb [ia Da] IIIC T130 °C Db
ATEX gas certificate	PTB 06 ATEX 1077
ATEX gas explosion protection	Ex II 2 (1) G Ex d e [ia Ga] IIC T6 Gb
ATEX dust certificate	PTB 06 ATEX 1077
ATEX dust explosion protection	Ex II 2 (1) D Ex tb [ia Da] IIIC T130 °C Db

### Electrical Data

Protocols	802.11 a, b, g, n, ac
Antenna diversity	MIMO
Inner wireless interface range	Max. 50 m
Outer wireless interface range	Max. 200 m
Radio standards	802.11
Data interface	100BaseTX / 1000BaseTX
Frequency band	2.4 & 5 GHz ISM band

8265/5.-.... Art. No. 273558

### Electrical Data

Data interface protocol	Ethernet
Data interface connection	RJ45
Grid-bound interface	Ethernet 100BASE-T, 1000BASE-T
Auxiliary power PoE	Yes
Data interface transmission range	Max. 100 m
Configuration	Depends on installed device
Antenna cable interface	N-type socket, intrinsically safe Ex ia

### Ambient Conditions

Ambient temperature	-20 °C ... +60 °C Depends on installed device
Use at the height of	≤ 2000 m




### Mechanical Data

Version	8265/5 Ex d enclosure
Degree of protection (IP)	IP66
Enclosure material	Aluminium, copper-free, Seawater-resistant
Min. dimensions	236 x 236 x 227 mm
Max. dimensions	335 x 505 x 281 mm
Dimensions note	Depends on installed device
Weight	-

### Components

Available for Aruba	AP-324, AP-318, AP-518
Available for Cisco	2802e,3802e,ESW6300,Catalyst
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Available for ProSoft	RLX2-IHNF
Available for Siemens	SCALANCE W1788,W780,W770,W760
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## Accessories

Antennas	Art. No.
 <p>Frequency range: GSM (850/900/1800/1900) 3G (UMTS) (800–2100) 4G – LTE (bands 1, 2, 3, 4, 7, 10, 23, 25, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 65, 66) Max. antenna gain: 2 dBi Connection: N connector (compatible with 9730/37-25 and 9731) The antenna is classed as simple apparatus according to EN 60079-11.</p>	292910
 <p>Frequency range: 2.4 to 2.485 GHz 5.15 to 5.875 GHz Antenna gain: 4.7 dBi at 2.4 GHz 3.4 dBi at 5 GHz Connection: N-type socket (for indirect mounting) The antenna is classed as simple apparatus according to EN 60079-11.</p>	292909
 <p>Frequency range: 2.4 to 2.485 GHz 5.15 to 5.875 GHz Antenna gain: 4.7 dBi at 2.4 GHz 3.4 dBi at 5 GHz Connection: N connector (compatible with 9730/37-25 and 9731) The antenna is classed as simple apparatus according to EN 60079-11.</p>	292908

8265/5.-.... Art. No. 273558

### Installation kit

### Art. No.



Installation kit for the antenna

207408

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