The WiFi access point series 9851 enables the use of standard WiFi access points like the Aruba AP-515 or other devices in Zone 2. This way, a company-wide, homogeneous WiFi infrastructure can be set up. This reduces the effort for administration, monitoring and spare parts inventory. The weight is reduced by up to 70% compared to metal solutions based on flameproof enclosures (Ex d). The assembly effort during field installation is significantly reduced. The housing is made of glass fiber reinforced plastic, which allows unhindered radiation of the radio signals and thus enables use without external antennas. The connection is made via a separate connection compartment, so that access to the Ex nR housing is not necessary and the maintenance effort is minimized.

| ATEX |  
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | x |  

> Enables the use of standard WiFi access points in hazardous locations Zone 2
> Open for the use of WiFi devices with internal and external antennas
> Reduced maintenance effort because of separate connection box
> Low weight
### Explosion protection

<table>
<thead>
<tr>
<th>Global (IECEx)</th>
<th>Gas</th>
<th>Ex ec nR IIC T4 Gc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe (ATEX)</td>
<td>Gas</td>
<td>III G Ex ec nR IIC T4 Gc</td>
</tr>
</tbody>
</table>

### Installation in

Zone 2

### Selection table

<table>
<thead>
<tr>
<th>Type</th>
<th>Basic device</th>
<th>Order number</th>
<th>Weigth kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLAN Access Point Series 9851</td>
<td>Aruba AP-515</td>
<td>273558</td>
<td>7</td>
</tr>
</tbody>
</table>

### Technical data

#### Power supply

Max. power requirement
- PoE 802.3af, IPM activated: 13.5 W
- PoE 802.3at/bt: 20.8 W

#### WiFi interface

- Protocol: 802.11b, 802.11a/g/n/ac, 802.11ax
- Frequency range: 2.4 … 2.4835 GHz and 5.150 … 5.250 GHz / 5.250 … 5.350GHz / 5.250 … 5.350GHz / 5.470 … 5.725GHz / 5.725 … 5.850GHz

Country-specific restrictions apply. See data sheet of Aruba AP-515

#### Additional interfaces (within the field enclosure)

- **E0**
  - Transmission: 100 / 1000 / 25000 BASE-T (Automatic detection of transmission bandwidth)
  - Connection: RJ45
- **E1**
  - Transmission: 10/100/1000BASE-T
  - Connection: RJ-45

#### Connection enclosure

- Ethernet: via cage clamp terminals with integrated screen termination

#### Compliance to legal regulations

- RED-directive 2014/53/EU
- EMV-directive 2014/30/EU
- Low voltage directive 2014/35/EU

Please contact your local Aruba sales representative for further information about country specific regulations and certifications.

#### Mechanical data

- **Enclosure material**: Glass-fibre reinforced polyester resin
- **Gasket**: Silicon foamed
- **Protection**: IP 66
- **Dimensions**: 512 x 341 x 165 mm (without cable glands)
- **Mounting**: Wall mounting
- **Weight**: Approx. 7 kg

#### Ambient conditions

- **Temperature range**
  - Operation: 0°C … 40°C (without additional sun load)
  - Storage: -40°C … 70°C
  - Relative humidity (without condensation): ≤ 95 %
  - Use in height of: < 2.000 m
Technical data, dimensions, weights, constructions and delivery options are subject to change. The illustrations are non-binding.