

# Datasheet

## Air Base Extension

Part No: 100114



### About the product

The LOXONE Air Base Extension is used to **extend the Miniserver**, and enables the integration of numerous **devices that are equipped with LOXONE Air radio technology**.

#### Features:

- Connection with up to 128 Air devices
- SMA socket with 1.8 dBi rod antenna
- Encrypted communication
- Mesh technology: Each Air device permanently connected to the power supply extends the range
- Minimal energy consumption
- Maximum speed
- Update capability
- Perfect for retrofitting projects

### Electrical Specifications

|                         |                        |
|-------------------------|------------------------|
| Supply voltage          | 9 ... 28 V DC          |
| Power consumption       | typ. 0.15W, max. 0.15W |
| Power loss at max. load | 0.15 W                 |

### Interfaces

|             |                                                                                                                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOXONE Link | Connection with Miniserver                                                                                                                                                          |
| LOXONE Air  | max. 128 devices<br>868 MHz (SRD Band Europe), 4 channels, max. 15.1 mW e.r.p.<br>915 MHz (ISM Band Region 2), 10 channels, max. 13.2 mW<br>SMA connector with 1.8 dBi stub-antenna |

## Ambient Conditions

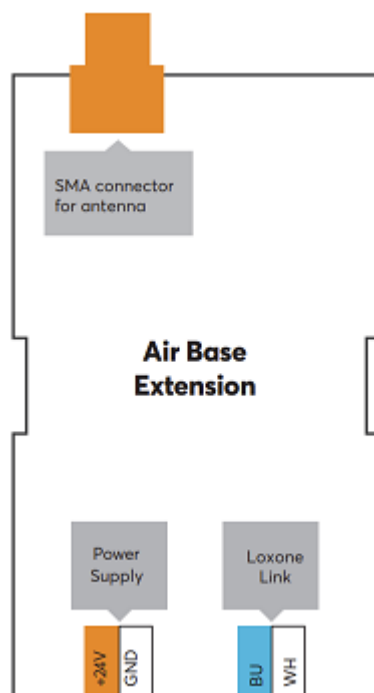
|                    |                                |
|--------------------|--------------------------------|
| Temperature        | -40 ... 70 °C / -40 ... 158 °F |
| Humidity           | max. 95 % RH (non-condensing)  |
| Ingress protection | IP20                           |

## Connection Terminals

|                        |                                              |
|------------------------|----------------------------------------------|
| Terminal type          | DG220B                                       |
| Wire cross-section     | 0.25 ... 0.8 mm <sup>2</sup> / AWG 23 ... 18 |
| Stripping length       | 5 mm / 0.2"                                  |
| Temperature resistance | -40 ... 105 °C / -40 ... 221 °F              |

## Connection Diagram

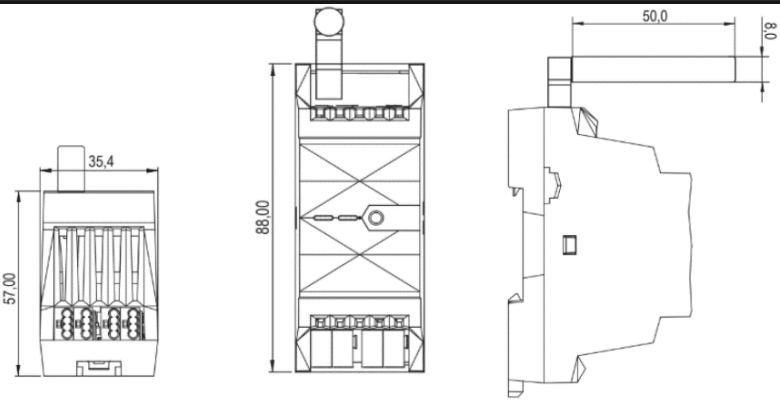
Connection Diagram



## Product Characteristics

|               |                                       |
|---------------|---------------------------------------|
| Mounting type | DIN rail according to EN 50022, 35 mm |
| Colours       | Black: RAL 9005                       |
| Finish        | Matte                                 |

## Weight & Dimensions

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| Net weight                 | 61 g                                                                               |
| Total weight               | 80 g                                                                               |
| Product dimensions         | 88 x 35.4 x 57 mm / 3.46 x 1.39 x 2.24" (L x W x H), 2 division units              |
| Product dimensions drawing |  |
| Pack size                  | 121 x 38 x 62 mm / 4.76 x 1.50 x 2.44" (L x W x H)                                 |

## Certifications & Standards

|                |                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications | UL 62368-1<br>CSA C22.2#62368-1                                                                                                                                                                                                                                                                                                                 |
| Certifications |     |

Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

### Published by

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# Datenblatt

## Air Base Extension

Part No: 100114



### Über das Produkt

Die LOXONE Air Base Extension dient zur **Erweiterung des Miniservers**, und ermöglicht das Einbinden zahlreicher **Geräte, die mit der LOXONE Air Funktechnologie** ausgestattet sind.

#### Features:

- Verbindung mit bis zu 128 Air-Geräten
- SMA Buchse mit 1,8 dBi Stabantenne
- Verschlüsselte Kommunikation
- Mesh-Technologie: Jedes fix am Strom angeschlossene Air Gerät erweitert die Reichweite
- Minimaler Energieverbrauch
- Maximale Geschwindigkeit
- Updatefähigkeit
- Perfekt für Nachrüstprojekte

### Elektrische Spezifikationen

|                               |                        |
|-------------------------------|------------------------|
| Versorgungsspannung           | 9 ... 28 V DC          |
| Leistungsaufnahme             | typ. 0,15W, max. 0,15W |
| Verlustleistung bei max. Last | 0,15 W                 |

### Schnittstellen

|             |                                                                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOXONE Link | Verbindung mit Miniserver                                                                                                                                                 |
| LOXONE Air  | max. 128 Geräte<br>868 MHz (SRD Band Europa), 4 Kanäle, max. 15,1 mW e.r.p.<br>915 MHz (ISM Band Region 2), 10 Kanäle, max. 13,2 mW<br>SMA-Buchse mit 1,8 dBi Stabantenne |

## Umgebungsbedingungen

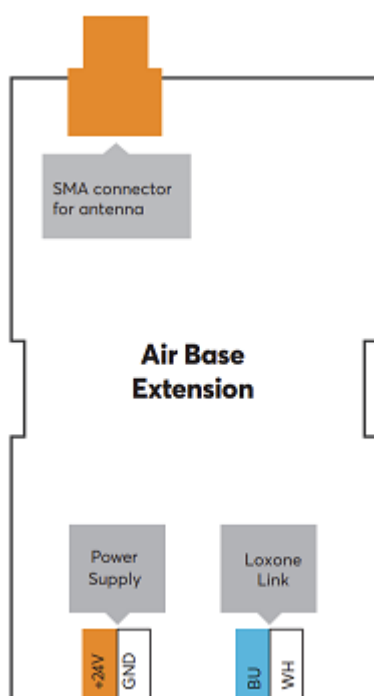
|                  |                                       |
|------------------|---------------------------------------|
| Temperatur       | -40 ... 70°C / -40 ... 158°F          |
| Luftfeuchtigkeit | max. 95 % r. F. (nicht kondensierend) |
| Schutzart        | IP20                                  |

## Anschlussklemmen

|                         |                                              |
|-------------------------|----------------------------------------------|
| Klemmentyp              | DG220B                                       |
| Leiterquerschnitt       | 0,25 ... 0,8 mm <sup>2</sup> / AWG 23 ... 18 |
| Abisolierlänge          | 5 mm / 0,2"                                  |
| Temperaturbeständigkeit | -40 ... 105 °C / -40 ... 221 °F              |

## Anschlussplan

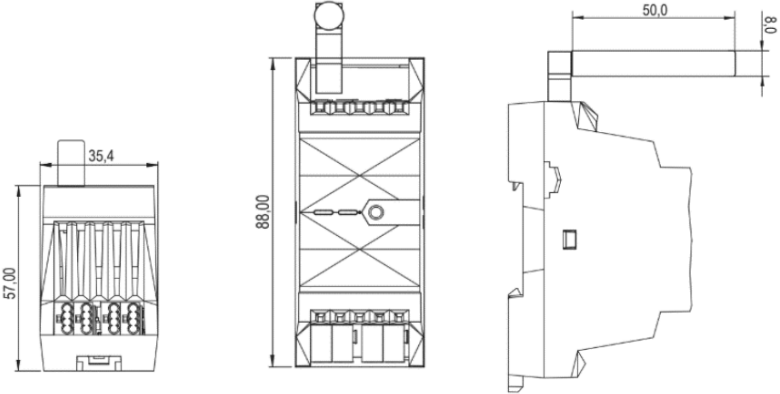
Anschlussplan



## Produkteigenschaften

|            |                                |
|------------|--------------------------------|
| Montageart | Hutschiene nach EN50022, 35 mm |
| Farbe      | Schwarz: RAL 9005              |
| Glanzgrad  | Matt                           |

## Gewicht & Abmessungen

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Nettogewicht        | 61 g                                                                               |
| Bruttogewicht       | 80 g                                                                               |
| Produktmaße         | 88 x 35,4 x 57 mm / 3,46 x 1,39 x 2,24" (L x B x H), 2 Teilungseinheiten           |
| Produktmaßzeichnung |  |
| Packmaß             | 121 x 38 x 62 mm / 4,76 x 1,50 x 2,44" (L x B x H)                                 |

## Zertifizierungen & Standards

|                  |                                                                                                                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zertifizierungen | UL 62368-1<br>CSA C22.2#62368-1                                                                                                                                                                                                                                                                                                                 |
| Zertifizierungen |     |

Die Installation muss von einer qualifizierten Elektrofachkraft gemäß den einschlägigen Vorschriften durchgeführt werden.

### Veröffentlicht von

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