

Datasheet

Embedded base Airlink 3085IA

Product description



The embedded base communications base ensures continuous, secure audio exchanges between ground crews and aircraft. Adapted to noisy industrial and airport environments, it facilitates real-time coordination thanks to reliable and robust technology, guaranteeing smooth management of aeronautical operations and optimum safety.

Main characteristics

- Connection guaranteed in all circumstances up to 300 m range in full duplex (users can emit and receive at the same time)
- Adaptable to any intercom, radio VHF / UHF
- Wireless for hand free using
- No latency time for instant reactivity
- High audio quality thanks to a large audio wideband (200-7000 Hz)
- Connect up to 8 simultaneous users
- DO-160G and MIL-STD qualification

Options

- Long range
- Bluetooth

Our others Airlink products...



Airlink 3085IA mobile



Airlink 3085IA Headset



**Airlink 3085IA
Plug & play base**

Radio

| | |
|---------------------|----------------------------------------------------------|
| Frequency range | 1870 - 1930 MHz (adjusted according to local regulation) |
| Transmit power | EU:23 dBm; US/JPN:21dBm |
| Receive sensitivity | -93 dBm |
| Modulation | GFSK 1.152 Mbaud |
| Modulation depth | DECT GFSK bandwidth = 20 dB < 1,728 MHz |
| Range | 300 m line of sight |

Environment

| | |
|---------------------|----------------|
| Temperature | -20°C to +60°C |
| IP protection level | IP54 |

Dimension and weight

| | |
|-------------|-------------------|
| Dimension : | 175 x 121 x 39 mm |
| Weight : | 500 g |

Audio

| | |
|------------|------------|
| Bandwidth | 200 - 7000 |
| Distorsion | < 3% |
| S/N ratio | =>60 dB |

Audio adaptation of the base

| Adaptation | Output | Input |
|-------------------|-------------------------------------------|-----------------------------------------------|
| Input / Ouput n°1 | Referenced to Ground (1Vrms) | Referenced to Ground (6Vrms max) |
| Input / Ouput n°2 | Referenced to Ground (1Vrms) | Referenced to Ground (6Vrms max) |
| Input / Ouput n°3 | Differential or Ground referenced (1Vrms) | Differential or Ground referenced (6Vrms max) |
| To Recorder | Referenced to Ground (1Vrms) | N/A |

Power

| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Supply voltage | 9 to 36 Vdc |
| Nominal drawn current | <ul style="list-style-type: none"> 300 mA @ 9 V 220 mA @ 12 V 120 mA @ 24 V 100 mA @ 28 V |
| Maximal drawn current | 500 mA |
| Minimal drawn current | <ul style="list-style-type: none"> 120 mA @ 9 V 90 mA @ 12 V 46 mA @ 24 V 40 mA @ 28 V |

For technical details, product inquiries or custom requirements, our teams are here to help.

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