Datasheet
Fixed embedded base Airlink 3085IA

Product description

The fixed 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

Technical data

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	• 300 mA @ 9 V • 220 mA @ 12 V • 120 mA @ 24 V • 100 mA @ 28 V
Maximal drawn current	500 mA
Minimal drawn current	• 120 mA @ 9 V • 90 mA @ 12 V • 46 mA @ 24 V • 40 mA @ 28 V