

Datasheet

Airlink 3085IA Mobile



Product description

The Mobile beltpack is a lightweight, portable communication device designed to provide hands-free wireless communication for aviation and industrial operations.

Worn comfortably on the belt, it provides clear, reliable communication among all crew members, including flight and ground personnel, while allowing users to move freely in and around the aircraft. It's rugged construction ensures dependable performance.

Main characteristics

- Reliable wireless communication up 300 m (984 ft)
- Full-duplex communication, allowing users to transmit and receive simultaneously
- Compatible with a wide range of headset configurations
 - Voice announcements and wireless hand-free operation
 - Digital voice activated microphone (VOX)
 - Low latency (20 ms) for fast response times
 - Intuitive and user friendly
 - Non-English use High-quality audio with a 200-7000 Hz bandwidth
 - Up to 16 hours of battery life with removable battery
 - USB-C charging
 - Digital Noise filtering
 - Large graphic display with backlight
 - DO-160G has a dash in it
 - Cockpit isolation
 - Remote PTTNight vision friendly

Options & Upgrades

- Long range
- Bluetooth

Accessories

Name	Part number (PN)	Quantity
Mobile Cover 3085IA with klickfast hook	BAG446C	5
Spare removable battery pack USB-C charging plug IP65	BAT511AA	1
Spare removable battery pack USB-C charging plug IP68	BAT511AB	1

Compatible Products...



**Airlink 3085IA Plug-and-Play
Base**



**Airlink 3085IA Wireless
Headset**



**Airlink 3085IA
Fixed Embedded Base
Plug-and-Play**

This datasheet applies to the following part numbers:

WI441AA20, WI441AA50, WI441CE20,
MOB441AA00-L, MOB441AA20-L, MOB441AA50-L

Technical data

Radio

Frequency range	Frequency preset to comply with applicable regional regulations
Transmit power	EU:23dBm; US/JPN:21dBm
Receive sensitivity	-93 dBm
Modulation	GFSK 1.152 Mbaud
Range	Line of sight
Speech encoding	ADPCM
Number of channels	120

Battery

Battery type	2600mAh 3.7V Li-Ion
Battery life	Up to 15h
Rated capacity	Min. 1880 mAh
Capacity	Min. 1880 mAh Typ.2000 mAh
Nominal voltage	3.7V
Charging	CC-CV, Std.1880 mA, 4.20V, 3.0hrs
Temperature	Charge : 0 to +45°C

Environment

Temperature	-20°C to +60°C
IP protection level	IP Rating Options IP65 & IP68

Audio

Bandwidth	200 - 7000 Hz at -3dB
Signal to Noise Ratio (SNR)	=>60dB
Distorsion	< 3%

Dimensions and weight

Dimensions :	124 x 68 x 32 mm
Weight :	256 g

Bluetooth option

Frequency	2.402 GHz to 2.480 GHz
Receive sensitivity	-90 dBm (2 Mbps EDR)
Bluetooth version	Version 5 Certified Class 2 2 dBm output power
Profile supported	A2DP 1.3, AVRCP 1.6, HFP 1.7.2, HSP 1.2, SPP 1.2
Connections	2 with HFP/A2DP profiles simultaneously

Long range option

Frequency	2.400–2.478 GHz–max. 20dBm TX power
Extended Range Options	up to 4 km (2.5 miles) with external antenna up to 1 km (0.6 miles) with internal antenna
Channels	64 frequency channels (16 pre-sets) with 1.2 Mhz bandwidth
Vocoder	3600bps low bit rate
Call modes	Peer to peer (up to 256 calls), Group Call or Broadcast mode
Data Modes	SMS style data
Latency	No Latency

Mobile Beltpack Audio Interface Configuration

Headset	Microphone	Loudspeakers
Low level/High impedance	850 μ V max RMS (Root Mean Square) / 75 Ω	100 mW / 600 Ω (7.75 V max / 600 Ω)
Low level/Low impedance	220 μ V max RMS / 5 Ω	100 mW / from 8 to 10 Ω (900 mV max / 8 Ω)
High level/High impedance	400 mV max RMS / 150 Ω	100 mW / 600 Ω (7.75 V max / 600 Ω)

Sleeve Color Coding for Audio Interface

Color	Configuration	Impedance Level
BLACK	High level/High impedance	HL/HZ
BLUE	Low level/High impedance	LL/HZ
RED	Low level/Low impedance	LL/LZ
YELLOW	High level/Low impedance	HL/LZ

Our regional teams are available to assist with technical information, product inquiries, and custom solutions.

EUROPE & AFRICA

☎ +33 1 43 99 42 17

✉ sales.europe@globalsys.fr

📍 Bonneuil-sur-Marne, FRANCE

AMERICAS

☎ +1 (438) 448-7833

✉ sales.americas@globalsys.fr

📍 Montreal, CANADA

ASIA & PACIFIC

☎ +84 9 485 402 26

✉ sales.asiapacific@globalsys.fr

📍 Ho Chi Minh City, VIETNAM



WHERE TO FIND US

