



A760L(Ex)

Intrinsically Safe PoC Radio

- ◆ Gas, dust, dual explosive-proof
- ◆ IP67 dustproof and waterproof
- ◆ Bluetooth
- ◆ Remote emergency alarm
- ◆ Produced complying to standards ATEX, IECEx and UL
- ◆ Android 5.1



Ex ib IIB T4 Gb
Ex ib D21 T130°C



Intrinsically safe standard:

Comply to the standard Ex ib IIB T4, A760L(Ex) can be used at the sites with inflammable gas, also at the sites with high level dust. A760L(Ex) is the dual explosive proof radio for both gas and dust, which fits for using in various fields, like firefighting, chemical, petroleum, and natural gas etc.

Excellent selection and quality assurance:

The radio housing is made of high-performance engineering plastic, which is sturdy and durable. Use high-quality imported components in internal, combined with exquisite manufacturing technology, strict testing to ensure stable and reliable performance.

High performance explosive safe battery:

4800mAh high performance large capacity explosion-proof Li-ion battery cell originated from Panasonic, with super strict explosive proof circuit, maintains both the safety and longer using time.

Crystal clear voice:

Using Abell unique voice processing technology, combined with 40mm speakers, to ensure sound reproduction performance, clear and loud, to achieve the effect of distinguish people by their voices.

Harsh IP proof level:

Adopt the IP67 dustproof and waterproof design, the radio is submersible at the depth of 1 meter up to 30minutes, function well. The wonderful sealing ensures the board inside un-eroded in the harsh usage cases.

Certificate complied:

Intrinsically safe CNEX 192542X

IP67 dustproof and waterproof.

CE certificate

Produced complying to standards ATEX, IECEx, UL

Technical parameters

System & Frequency Band

Model	A760L Ex(E)	A760L Ex(U)
TDD LTE:	Band 38/40	
FDD LTE:	Band 1/2/3/5/7/8/20/28	Band 2/4/5/7/12/13/17/25/26
WCDMA:	Band 1/2/5/8	Band 1/2/4/5/8
GSM:	Band 2/3/5/8	Band 2/5
WI-FI	IEEE 802.11 b/g/n 2.4G	IEEE 802.11 b/g/n 2.4G
Positioning System	GPS/ Beidou/ Glonass	GPS/ Beidou/ Glonass

General

Platform	Qualcomm MSM8909
CPU	Quad-core A7 1.0GHz
System memory	4GB eMMC + 1GB LPDDR3
OS	Android 5.1.1
LCD	2.0" LCD 240*320 TFT 65K True Color
Group capability	200
	TDD-LTE: Cat 4
	FDD-LTE: Cat 4
Data access	WCDMA: WCDMA HSDPA, HSUPA, HSPA+, DC-HSPA+ DL 42Mbps UL 5.76Mbps GSM : GSM900/ DCS/ PCS/ GSM850
External interface	13PIN Accessories interface(USB, Earphone, PTT, accessory I/O *4)
Operating temperature	-30°C~+60 °C
Operating voltage	3.7VDC(rated)
Antenna impedance	50Ω
MIC impedance	2.2KΩ
Battery	DC 3.7V 3600mAh Li-ion
Dimension (H×W×D)	133mm×52mm×30mm(knob and antenna not included)
Weight	231.9g(battery and antenna included)
Audio output power	≥1000 mW

Standard Accessories



Desk Charger
BC-508



Battery AB-L4876EX



Belt Clip



Antenna



Hand strap

Optional Accessories



Earpieces AE-HH8-T



Program/Charge cable



Explosion-proof Certification

Manufacturer : ABELL INDUSTRIES CO.,LTD
2/F ,Bldg14,ZhongXing Industrial City,ChuangYe Rd,NanShan Dist,ShenZhen

Product Name: Explosion-proof Poc two way radio

Model: A760L

Explosion Mark: Ex ib IIB T4 Gb/Ex ibD 21 T130°C

Product Standard: Q/OB002-2019

Final Assembly No.:A760L-00-00

After reviewing the above product drawings and technical documents and sample inspection, it was confirmed that the following standards were met:

GB3836.1-2010 (Smoke and explosive environment Part 1: General requirements for equipment "

GB3836.4-2010 Explosive environment Part 4: Equipment protected by intrinsically safe "I"

GB12476.1-2013 Electrical equipment for flammable dust environment Part 1: General requirements "

GB12476.4-2010 Electrical equipment for combustible dust environment
Part 4: Intrinsically safe "ID"

Note:

1. Do not remove or replace the battery or charge the battery in an explosive atmosphere.
2. The transmitting power of this product is 32.1dBm.
3. This product has one 3.6V, model AB-L4876Ex lithium battery.
4. Enclosure protection level: IP6X.

Director of the Centre



National Explosion-proof Electrical Products
Quality Supervision and Inspection Center
**Nanyang Explosion-proof
Electric Research Institute**



Date of Issue: 17 SEP 2019

Validity period: 17 SEP 2019 - 16 SEP 2024

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