Frequency Range	UHF:350-390MHz 400-480MHz	VHF:136-174MHz [A720T(Ex)only]
Channel Capacity	32CH/1600CH	
hannel Spacing	25 kHz/12.5 kHz	
peration Temperature	-25 °C ~ + 60 °C	
requency Stability	±1.5 ppm	
peration Voltage	7.2VDC	
ntenna Impedance	50Ω	
icrophone Impedance	2.2ΚΩ	
attery Life (5-5-90 duty cycle)	Li-ion DC7.2V 2400mAh	
imension(height*width*thickness)	126mm×54mm×31.8mm	
	305g (with battery and antenna)	

Transmitter		
Sensitivity Analog	25K≤0.22uV(12dB SINAD) 12.5K≤0.25uV(12dB SINAD)	
Digital	0.22uV (BER 5%)	
SNR (Signal-To-Noise Ratio)	25K≥45 dB 12.5K≥40 dB	
Adjacent Channel Selectivity	25K≥70 dB 12.5K≥65 dB	
Intermodulation	25K≥65 dB 12.5K≥65 dB	
Spurious Response Rejection	≥70dB	
Audio Output Power	≥1000 mW	
Rated Audio Distortion	≤5%	

Receiver		
RF Power	<3.5W; rated:2.5W	
FM Modulation	25kHz: 16KΦF3E 12.5kHz: 8KΦF3E	
4FSK Digital Modulation	12.5kHz data 7K60FXD 12.5 kHz data and voice 7K60FXW	
Digital Vocoder Type	AMBE+2TM	
Digital Protocol	ETSI-TS102 361-1,-2	
Harmonic	≥70 dB	
Rated Audio Distortion	<-45 dB@25kHz <-40 dB @12.5kHz	
Audio distortion	≤ 5%	
Max. Frequency Deviation	5 kHz@25kHz 2.5 kHz @12.5kHz	

[•] All specifications are subject to change without notice due to continuous development.

Standard Accessories







Li-ion battery AB-L2478Ex 2400mAh



Belt clip



ntenna



Hand strap

Optional Accessories: Multi AC adapter, Earphone, Programming cable.





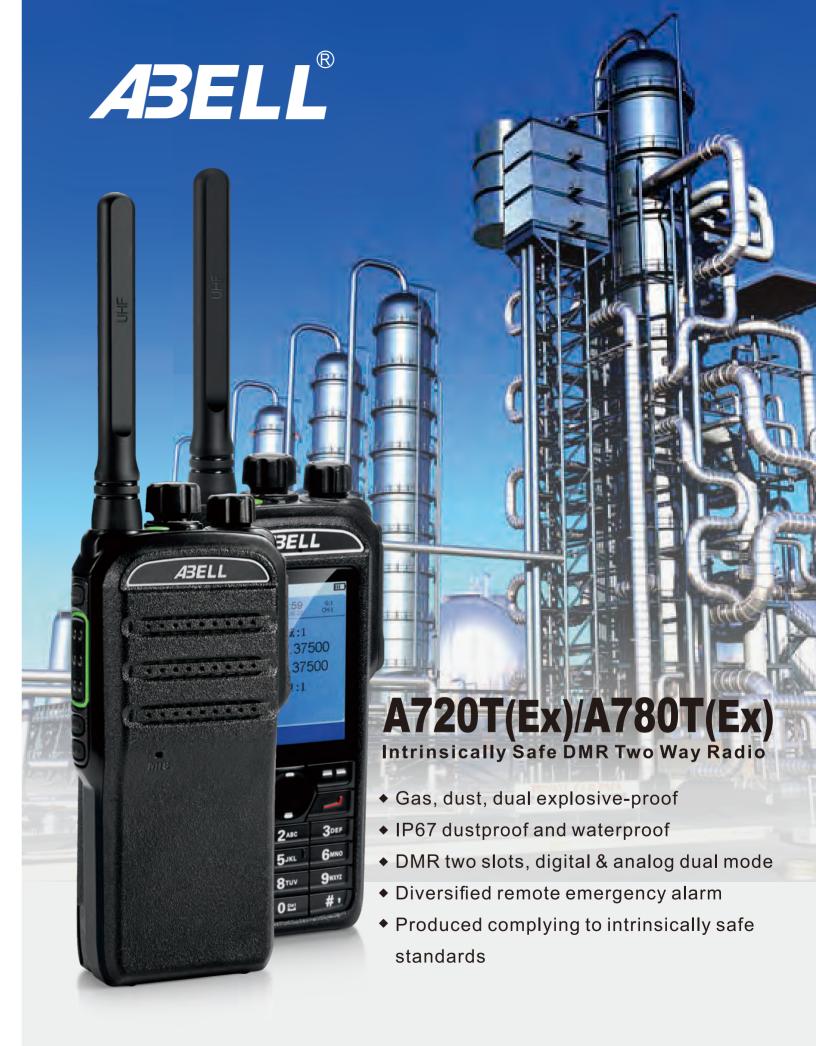




ABELL INDUSTRIES CO., LTD

Website:www.abell.com.cn E-mail:sales@abell.com.cn

Dealer Area





Explosion-proof Certification

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

Product Name: Explosion-proof digital two way radio

Explosion Mark: Ex ib IIB T4 Gb/Ex ib D21 IP6X T120°C Product Standard: Q/OB001-2019

mbly No.:A720T-00-00

After reviewing the above product drawings technical doc that the following standards are met:

safe T>>

part:Intrinsically safe"iD">>

1.Lithium battery model for this product: AB-L2478Ex 7.2V 2400mAh, forb or replace the battery or charging in an explosive environment.

2 Do not use external plug-in devices such as headphones and USB i







Intrinsically Safe standard:

Comply to the standard EX ib IIB T4, the radio can be used at the sites with inflammable gas, also at the sites with high level dust. A720T(Ex) is the dual explosive proof radio for both gas and dust, which fits for use in various fields, like firefighting, chemical, petroleum, and natural gas etc.

High interference:

A720T(Ex) use the AFC discrete VCO design, which leads the discrete receive channel in narrowband, maintain the high level anti-interference parameters. Support the use in the complex electromagnetic environment.

Harsh IP proof level:

received.

Crystal clear voice:

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

Comply to ETSI DMR digital standard, with the digital

technology, the radio provides crystal clear and loud

voice, even at the noisy sites or with the weak signal

noise reduction, and digital audio encryption

High performance explosive safe battery:

2400 mAh high performance Li-ion battery cell originated from Panasonic, with super strict explosive IP67 dustproof and waterproof proof circuit, maintains both the safety and longer use FCC time, the maximum standby time is up to 60 hours.

Certificate complied:

Intrinsically safe CNex192542X

