

Professional Multi Mode Base Station AK860

AK860 is a product combined with performance, reliability and convenience. Designed with a built-in fan and larger external aluminium heatsink for rapid heat dissipation, the AK860 can provide continuous duty cycle to ensure your communication network coverage is never compromised.



Large Area
Coverage

World's First
Ad Hoc
Communication Solution

DMR Tier I, II & III
Compatible

Specifications

General

Frequency Range	136-174MHz / 400-470MHz
Standards Supported	DMR Tier I, II & III / Ad Hoc
Dimension (HxWxD)	335X220X120mm (Not inc. antenna)
Weight	7.3kg (Not inc. antenna)
Operation Voltage	DC 12V

Receiver

Digital Sensitivity (5% BER)	-126dBm (0.11μV)
Adjacent Channel Selectivity	≥60dB (12.5KHz channel) / ≤70dB (25KHz channel)
Intermodulation	≥70dB
Spurious Response Rejection	≥70dB
Blocking	≥84dB
Co-channel suppression	≥-8dB
Conducted Spurious Emission	9kHz~1GHz ≤ -36dBm 1GHz~12.75GHz ≤ -30dBm

Transmitter

RF Power	25-50W
Frequency Stability	±1.5ppm
Adjacent Channel Power	≤-60dB (12.5KHz channel) / ≤-70dB (25KHz channel)
Spurious Emission	<1GHz ≤ -36dBm >1GHz ≤ -30dBm
Digital Vocoder Type	NVOC&Ambe++

Environmental

Operating Temperature	-20°C ~ +55°C
Storage Temperature	-40°C ~ +65°C
Operating Humidity	30% ~ 93%
Storage Humidity	≤ 93%

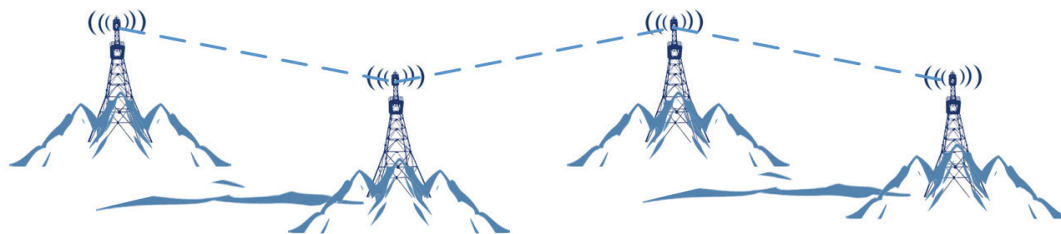
GNSS

Constellation Support	GPS / BDS
TTFB(Time To First Fix) Cold Start	<1 minute
TTFB(Time To First Fix) Hot Start	<10 seconds
Horizontal Accuracy	<5 metres CEP

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

Ad Hoc Communication Solution

The AK860 base station could build an entire self-reliant and independent network without the need of an IP/Ethernet connectivity, via the Ad Hoc Communication technology. This allows base stations to be link even in the harshest environment.



PDT
PROFESSIONAL DIGITAL TRUNKING

DMR
DIGITAL MOBILE RADIO ASSOCIATION

