

# Reliable communication wherever you go

## Standard accessories



A charger adapter



Desktop charger



Battery pack



Antenna

## Options



Earpiece-Mic



Speaker-Microphone

## SPECIFICATION

General	PT6800(2)	PT6800(4)
Frequency	350 ~ 390MHz	450 ~ 470 MHz
Control channels	64	
Conventional channels	32	
Channel space	25 kHz / 12.5 kHz	
Operating temperature	-30°C ~ +60°C	
Antenna impedance	50Ω	
Microphone impedance	2kΩ	
Modulation type	16K0F3E, 15K0F2D(W)/11K0F3E, 10K5F2D(N)	
Frequency stability	±2.5 × 10 <sup>-6</sup>	
Battery(Standard)	Model: KB-36A, Ni-MH DC 7.2V /1500mAh Battery life: ≥8 hrs (5:5:90 duty cycle)	
Dimension(W×H×D)	56 mm × 120 mm × 35 mm	
Weight	214 g(Body); 413 g(with battery and antenna)	

Receiver	PT6800(2)	PT6800(4)
Sensitivity (12dB SINAD)	0.25 μ V(W)/ 0.28 μ V(N)	
Operating band width	±7kHz(W)/ ±3.5kHz(N)	
Adjacent channel selectivity	≥70dB(W)/ ≥65dB(N)	
Intermodulation reject ratio	≥70dB(W)/ ≥65dB(N)	
Spurious response reject ratio	≥70dB	
AF output power	500mW (16%, distortion less 5%)	
Audio response	+2/-6dB	

Transmitter	PT6800(2)	PT6800(4)
RF power	4W/1W	
Spurious and harmonics	≤-70 dB	
FM noise(300~3000Hz)	≤ -45 dB(W)/ ≤ -40 dB(N)	
Audio distortion(300~3000Hz)	≤3%	
Maximum frequency deviation	±5kHz(W)/ ±2.5kHz(N)	
Audio response	±3dB	

**NOTICE:** The specification and the outward are subject to change without notice due to advancement in technology, for more detailed information, please contact KIRISUN Electronics [Shenzhen] Co., Ltd.



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MPT Trunking  
MPT1327/1343  
MAP27



# PT6800

## TRUNKING HANDHELD TRANSCEIVER

### POWERFUL TRUNKING FUNCTIONS

Conform to MPT1327 & MPT1343.  
One-button-switch between trunking mode and conventional mode.

### EXCELLENT BATTERY PERFORMANCE

High-capacity battery for longer standby time and talking time.  
Lithium battery option.

### DURABLE & RUGGED

Design according to MIL-STD-810C/D/E standard assures waterproof, dustproof and high/low temperature resistance.

### HUMAN ENGINEERING DESIGN

Compact and streamline machine body is comfortable for your holding.

### HUMAN-BASED OPERATIONS

PC programmable, emergency button, backlight keypad, large screen and large keys.

### 250 CONTACTS MEMORY

The biggest contact memory among present trunking transceivers improves the conversation efficiency between multi-systems and multi-networks.

### CUSTOMIZED MENU & ID ENQUIRY

The ID number and system parameters can be checked according to enquiry authorization, which can be set as you like.

Meets  
MIL-STD810

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# PT6800

## CONVENTIONAL FUNCTIONS

### CONVENTIONAL FUNCTIONS



#### 32 CONVENTIONAL CHANNELS WITH CHANNEL SCANNING FUNCTION

##### CTCSS/DCS

Built-in 51 groups of standard CTCSS encoder/decoder and 166 groups of standard DCS encoder/decoder.

##### DTMF

##### BUSY CHANNEL LOCKOUT

Transmitting signal is prohibited when the channel is busy.

##### TIME-OUT TIMER

Time-out timer can stop the transmitting automatically by presetting time limit to avoid any damage caused by long-time continuous transmission.

##### BACKLIGHT KEYPAD & LARGE SCREEN

Easy operation in darkness is available with backlight keypad. The large screen with orange backlight can display two lines of messages such as calling information.

##### KEYPAD LOCKOUT

The keypad can be disabled to avoid misoperations.

##### PASSWORDS ASSURE DATA SECURITY

Up to 8-digit power-on password, data-editing password and PC programming password guard against unauthorized use and assure data security in your transceiver.

##### CHANNEL SPACING PROGRAMMABLE

Channel spacing of 25 kHz or 12.5 kHz is programmable by PC software.

##### BATTERY & SIGNAL STRENGTH INDICATOR

The signal strength and battery capacity can be shown real time.

##### UPGRADABLE

Reserved developing socket can be used for expanded function according to user's demands.



## EXCELLENT AND ADVANCED TRUNKING FUNCTIONS

#### CONFORM TO MPT1327 SIGNALING PROTOCOL AND MPT1343 PERFORMANCE SPECIFICATION

##### AUTO HUNTING

Up to 64 control channels with auto control channel acquisition procedure.

##### EMERGENCY CALL

Highlighted orange emergency button enables immediate call for help under critical circumstances.



##### DYNAMIC GROUPING

The base station can quickly group units as a new team by remote control, which enables the members of this dynamic group to communicate with each other while necessary.

##### REMOTE KILLING

The base station can give remote killing order to the lost or stolen transceiver to prohibit its operating.

##### REACTIVATING

The base station can reactivate the remote killed transceiver to normal operation.

##### MISSED CALL INDICATOR

Display the numbers of missed calls and memorize the status of missed calls.

##### EMBEDDED MESSAGE

PC programmable short messages can be chosen and alarm while message receiving.

##### RE-DIALING

Re-dial button can keep the last 10 dialed numbers, which can be reserved in the event of a power fail.

##### DON'T DISTURB

Don't disturb function avoids outer interference, and can reject voice call, status call and short data message call.

##### SWITCH TO CONVENTIONAL MODE

The transceiver can work as a conventional unit when it is not on the trunking network.

##### COMPATIBLE WITH DIFFERENT SYSTEMS

Roaming over different systems offer more convenience in using.

##### TRUNKING CALLS

PABX call, PSTN call, individual call, group call, queue incoming call, broadcast call, priority call, emergency call, status/short data message call, NPD data transmission, self-call diversion, third-party call diversion, ALLI system call, calling base station, technician call.