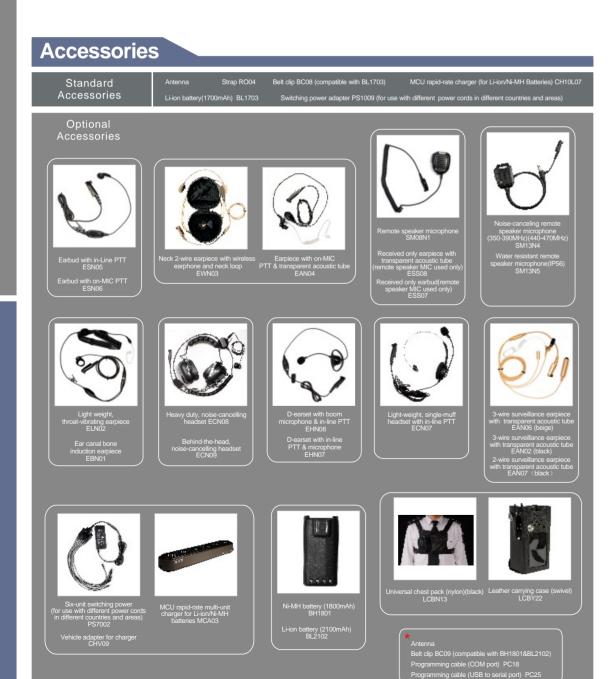
Recommended Applications -

- Police Security
- Firefighting Government



Applicable Military Standards 810C/D/E/F

Applicable MIL-STD	810C Methods Procedures	810D Methods Procedures	810E Methods Procedures	810F Methods Procedures
Low Pressure	500.1 1	500.2 1,2	500.3 1,2	500.4 1
High Temperature	501.1 1,2	501.2 1,2	501.3 1,2	501.4 1,2
Low Temperature	502.1 1	502.2 1,2	502.3 1,2	502.4 1,2
Temp. Shock	503.1 1	503.2 1	503.3 1	503.4 1
Solar Radiation	505.1 1	505.2 1	505.3 1	505.4 1,2
Rain	506.1 2	506.2 2	506.3 1,2	506.4 1,2
Humidity	507.1 2	507.2 2,3	507.3 2,3	507.4 1
Salt Fog	509.1 1	509.2 1	509.3 1	509.4 1
Dust	510.1 1	510.2 1	510.3 1	510.4 1
Vibration	514.2 8,10	514.3 1	514.4 1	514.5 1
Shock	516.2 1,2,5	516.3 1,4	516.4 1,4	516.5 1,4

General

Frequency Range (MHz)	VHF: 136-174 UH	
Channel Capacity	256	
Channel Spacing (kHz)	25/20/12.5	
Operating Voltage (v)	7.4 +/ - 15%	
Battery	1700mAh Li-ion Batte	
Battery Life (5-5-90 Duty Cycle)	Low power High pov	
with 1700mAh Li-ion battery	13 hours 10 hou	
with 2100mAh Li-ion battery	16 hours 13 hou	
with 1800mAh Ni-MH battery	14 hours 11 hou	
Frequency Stability (ppm)	± 2.5	
Operating Temperature (°C)	-30~+60	
Antenna Impedance (Ω)	50	
Dimensions (H×W×D)(with battery, with out antenna) (mm) with 1700mAh Li-ion battery with 2100mAh Li-ion battery with 1800mAh Ni-MH battery	126*54*35mm, 360g; 126*54*39mm, 375g; 126*54*39mm, 450g;	
Material of Front Case	PC (EXL9330)+PC (2	

Transmitter

Hytera

RF Power Output	5W/2W/1W (UHF/VHF)		
Modulation	16K		
Spurious and Harmonics	-36dBm<1GHz		
	-30dBm>1GHz		
FM Noise	45/40 dB (25/12.5KHz)		
Audio Distortion	≤3%		
Modulation limiting	±2.5@12.5KHz; ±4.0@20KHz; ±5.0@25KHz		
Adjacent Channel Selectivity	70/60dB (25/12.5KHz)		
Audio response(300-3000Hz)	+1 to -3 dB		

All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.



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HYT	
Two-way Radio	

Т	C-	7	8	0

Professional Two-way Radio







- Wide Band Coverage
- Powerful Audio Output
- Multiple Safety Assurance
- Build-in Scrambler



ous Response Rejection 70 dB

ated Audio Power Output

udio Response(300-3000Hz)

Apex Radio Systems Ltd. 102 Tantobie Road Denton Burn Newcastle upon Tyne NE15 7DQ

Receiver

Tel 0191 228 0466 Fax 0191 228 0467 Email info@apexradio.com



70/60 dB

0.8W

+1 to -3 dB

www.hytera.com

Hytera Communications Corporation Limited



Staff members in these industries, such as public security, government, wharf, water resource and power, large hotel, logistics and etc, are usually divided into many groups. A radio without LCD and keypad applied in these industries cannot realize individual call and grouping communications management, thus it is inconvenient for the clients. However, all these troubles shall be solved when you choose HYT TC-780.

TC-780, as the medium to high tier portable radio with LCD, numeric keypad, wide-band coverage and 256 channels, has integrated cutting-edge analog technology, and shall definitely fulfill your every demand on grouping and dispatching. We believe that HYT TC-780 will bring you the most cost-effective use experience thanks to its powerful functions and reliable performance.

5-Tone and HDC2400[™] Signaling

5-Tone, taking audio signal as media, is the kind of signaling that is extensively used nowadays. The system including 5-Tone can achieve ANI (Automatic Number Identification) call timer, selectable call (individual call, group call), alert call, status inquiry, stun/unstun, outhorization ato

The HDC2400[™] is HYT proprietary signaling, and contributes to the system to achieve features including ANI (Automatic Number Identification), Call Timer, Record, Record Inquiry, Select Call (Individual Call, Group Call, Zone Call and Broadcast), Alert Call (Individual Call, Group Call, Zone Call and Broadcast), Status Inquiry, Safety Check, Kill/Stun/Revive, etc.

Future Development

Firmware Upgradeable

Considering future expansion, TC-780 whole solution utilizes built-in Flash MCU. You can upgrade the radio firmware to include the latest features.

Unique Features

High Channel Capacity

Maximum 256 channels allow you to assign user-recognizable channel name; flexible grouping (maximum 32 groups) can make team management more effective. Battery Strength Indicator

The current battery strength is displayed on the LCD.

High (5W) Transmit Power

Embedded Message & Serial Number

The radio' s memory can store messages including service and programming records, for remarkable ease of maintenance. The feature also makes a unit identifiable by Serial Number.

Call List Check There are four types: 1. Contact list; 2. Status List; 3. Missed call list; 4. Received call list.

Call Forward

After decoding is succeeded, radio would transmit a call signaling preset by your dealer. Phone

Scan

Allow you to call a base station or connect with telephone line to call a telephone subscriber.

Allow the user to monitor activities on different channels. "Dual Priority Scan" and "Nuisance Temporarily Delete" are of options; each scan list may include up to 32

Lone Worker

The Lone Worker feature provides added security and safety for individuals who work remotely from their team. Should a user not respond to a regular warning tone, a defined emergency procedure is activated.

Super Features

Wide Band Coverage

Allow users the flexibility to select their frequency for use in their respective work

Powerful Audio Output

HYT's voice compandor audio enhancement and a powerful 1.5W speaker (with a diameter of 40mm) ensure superb clear, crisp sound even in noisy environments.

Safety Assurance

Safety and security are critical factors for modern organizations. The TC-780's Lone Worker, Safety Check, and Man Down (optional) features are designed to assure your safety in case of emergencies or accidents.

Build-in Scrambler

The Scrambler feature makes it impossible for an eavesdropper to understand your conversation. TC-780 is your best choice for public security communication and private safety communication.

TC - 780

Professional Two-way Radio

Whisper

The Whisper feature means that even the quietest message can be transmitted and understood.

Safety Check

Should the user not respond to a safety check signal received from the dispatch center or an authorized radio, a defined emergency procedure is activated.

Emergency

Press the Emergency key to emit emergency alarm, or send ENI (Emergency Number Identity) / background tone to a pre-defined person or the dispatch center (selectable via programming software).

Vibrate (optional)

TC-780 supports a vibrate option. The vibrate indication helps in working conditions where quiet operation is required.

Man Down (optional)

Providing even greater safety for employees in hazardous environments, the TC-780 radio provides a Man Down feature. This feature automatically summons assistance when the radio falls over for a predetermined time period.









Mechanical Features -

- \star Reliability and Durability The radio uses components of famous brand, and meets strict tests.
- ★ Ergonomic Design
- ★ Laser-etched Nameplate

Other Features

- ★ CTCSS/CDCSS
- \star Voice Compandor
- ★ MSK Wireless Clone
- ★ PC Tuning
- \star Authorization Management
- ★ PTT Key-up Encode/De-Key Encode
- ★ Battery Save
- ★ Low Battery Alert
- ★ Kill/Revive
- \star Programmable Function Keys
- ★ Talkaround
- \star Programmable Alert Tone
- ★ Auto Acknowledgement
- ★ VOX
- ★ Password Protection
- \star RSSI