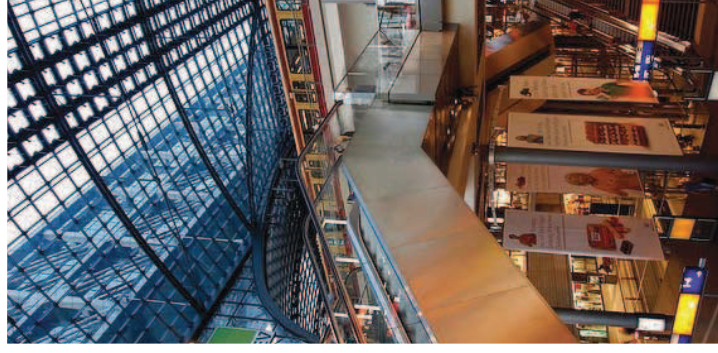


TC-446S

**Professional
License-free Radio**



UK 100707A

- License-free Radio
- Light Weight and Tough Design
- Longer Battery Life
- Enhanced Voice Quality

Applicable MIL-STD-810C/D/E/F

Applicable MIL-STD	810C Methods	810D Procedures	810E Methods	810F 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)	446.00625 MHz~446.09275 MHz
Channel Capacity	16
Channel Spacing(kHz)	12.5KHz
Operating Voltage(V)	7.4V
Standard Battery	1650mAh (L-Hlon)
Battery Life (5-500 duty cycle)	Up to 24 hours
Frequency Stability(ppm)	±2.5 ppm
Operating Temperature(°C)	-25°C ~ +60°C
Antenna Impedance(Ω)	50 Ω
Dimensions (H × W × D)(with battery, without antenna)(mm)	113x54x35mm
Weight (with antenna & battery)(g)	270g

Transmitter

RF Output Power	0.5W
Modulation	8K to F3E
Spurious and Harmonics	<-36dBm (<1GHz) <-30dBm (>1GHz)
F3M Noise	≤ -38dB
Audio Distortion	≤ 5%

All Specifications are tested according to ETSI EN 300 206, and subject to change without notice due to continuous development.

Receiver

Sensitivity	≤-0.282 μV
Selectivity	≥60dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	≥40dB
Rated Audio Power Output	800mW (Speaker Impedance: 16 ohm)
Rated Audio Distortion	≤5% (800mW)



www.hytera.cn

Hytera Communications Corporation Limited

HYT is a registered trademark of Hytera

Address: HYT Tower, Hi-Tech Industrial Park North, Bihuan Road,

Nanshan District, Shenzhen, China

Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057

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Your Local Dealer



As a combination of cutting-edge analog technologies and user-centered design, TC-446S gives an edge to your productivity and management efficiency. With its compact design and lightweight chassis, this tough radio is an ideal choice for management in facilities, hospitality, manufacturing, retail, education and construction. Besides, TC-446S provides up to 24 hours of battery life to ensure long-lasting performance and convenience. Affordable price and distinct performance - TC-446S deserves your trust.

TC-446S

Professional License-free Radio

Product Features

License-free Radio

With TC-446S, you can enjoy charge-free communication easily.

Light Weight and Tough Design

TC-446S has a light-weight but exceptionally strong body, allowing it to be carried about easily and to survive harsh conditions.

Longer Battery Life

TC-446S is equipped with a 1650mAh battery that enables you to transmit and receive, on a 5-5-30 basis, for up to 24 hours.

Enhanced Voice Quality

TC-446S employs advanced voice technologies to better the sound quality during your communication.

Applications

- Facilities
- Hospitality
- Manufacturing
- Retail
- Education
- Construction

Main Features

- Voice-operated Transmit (VOX)
- Battery Strength Indicator Monitor
- CTCSS/CDCSS and Squelch Tail Elimination Scan
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer (TOT)
- PC Programmable
- Wired Clone
- Two Squelch Levels Selectable



Accessories

Standard Accessories

- Li-Ion Battery (1650mAh) BL1719
- Rapid-rate Charger (for Li-Ion Battery) CH10L12
- Belt Clip Bc12
- Stap RQ03

Featured Optional/Accessories



Sixkurt Switching Power PS7002
(The power cable may vary in different countries and areas)



Diagram for use:
The Sixkurt switching power works with multiple standard chargers.

Highlights: This Sixkurt switching power can work with multiple standard chargers and increase charging efficiency for large case groups and labor-intensive activities.

Optional Accessories



Li-Ion Battery (1300mAh) BL1301



Vehicle Power Adapter CHV09



Earbud with in-Line PTT & VOX ESM11



Earbud with on-MIC PTT & VOX ESM12



Dearest with Boom Microphone & VOX EHM16



Dearest with in-Line MIC & VOX EHM15



Earpiece with in-Line Transparent Acoustic Tube (for use with in-line speaker microphone) ES538



Nylon Charging Case (non-swall) (black) NCN001



Remote Speaker Microphone SM09M3



Receive-Only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS07



Receive-Only Earpiece with Transparent Acoustic Tube (for use with in-line speaker microphone) ES538



Charging Cable CP05

Programming Cable (CCM Form PC19)
Programming Cable (USB to Serial Port) PC26