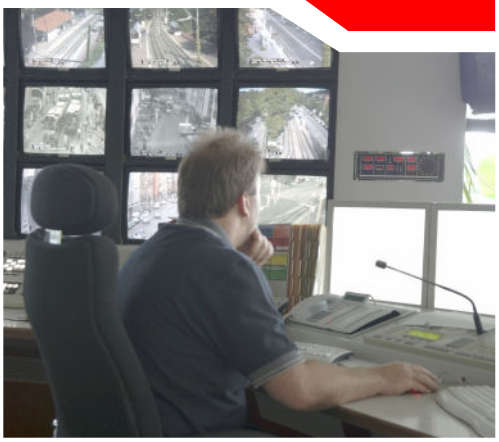
HYT
Two-way Radio

TC-508

Analog
Two-way Radio
Affordable & Reliable



- Tough & Light-weight
- Robust & Reliable
- Longer Battery Life
- Enhanced Voice Quality

Hytera

TC-508, one of the market-leading products in HYT commercial radio series, is an ideal choice for facilities, hospitality, manufacturing, retail, education and construction. As the affordable and reliable two-way radio for business and industry, TC-508 can largely enhance your productivity and management efficiency. The excellent design of HYT compact TC-508 portables guarantees superior ergonomics. Moreover, it can ensure a great performance in any operating conditions, HYT 5-year ALT test. Besides, TC-508 provides up to 14 hours of battery life to ensure long-lasting performance and convenience. Affordable price and distinct performance - TC-508 deserves your trust.

TC-508

Professional Two-way Radio

Leading Features

Tough & Light-weight

TC-508 has a light-weight but exceptionally strong body, allowing it to be carried about easily and to survive harsh conditions.

Robust & Reliable

TC-508 is built to survive the hard knocks, drops and some tough environments of its users. It meets or exceeds the HYT 5-year ALT test.

Longer Battery Life

TC-508 is equipped with a 1650mAh battery that enables you to transmit and receive, on a 5-5-90 basis, for up to 14 hours.

Enhanced Voice Quality

TC-508 employs advanced voice technologies to better the sound quality during your communication.

Main Functions

- High/Low Power Switch
- Wide/Narrow Band Switch
- Monitor
- CTCSS/CDCSS and Squelch Tail Elimination
- Channel Scan
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer (TOT)
- PC Programmable
- Wired Clone
- Squelch Levels Selectable

Recommended Applications

- Hospitality
- Manufacturing
- Retail
- Education
- Construction
- Security

Accessories

Standard Accessories	Li-Ion Battery Belt Clip	Rapid-Rate Charger (for Li-Ion Battery) Strap	Power Adapter Antenna

Optional Accessories

Li-Ion Battery (1650mAh) BL1719

Vehicle Power Adapter CHV09

Remote Speaker Microphone SM26M1

Remote Speaker Microphone SM08M3

Earbud with on-MIC PTT & VOX ESM12

D-style Earpiece with in-Line MIC & VOX EHM15-A

Receive-Only Earbud, 3.5mm plug ES-01

Earbud with Transparent Acoustic Tube (Receive-Only) EA-01

Replacement Earpiece Part with Transparent Acoustic Tube Kit POA156

Nylon Carrying Case (not swivel)(black) NCN001

Note: Pictures above are for reference only and may vary from actual product.

General

Frequency Range(MHz)	UHF: 450-470
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.4
Battery	1650mAh (Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	14 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(℃)	-20~+65
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(mm)	113×54×35
Weight (with antenna & battery)(g)	280
Dust and Water Ingress	IP54 Standard
Shock and Vibration	Per MIL-STD-810 C/D/E/F/G Standard

Transmitter

Power Output	4W/2W(UHF)
Modulation	16K0F3E/11K0F3E
Spurious and Harmonics	≤-26dBm (<1G)
FM Noise	40/35dB
Audio Distortion	≤5 %
Modulation Limiting	≤5KHz (25KHz) ≤2.5KHz (12.5KHz)
Audio Response	≤+1~-3dB (6dB/oct pre-emphasized, 300-3000Hz)

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

Receiver

Sensitivity	≤0.251uV/0.282uV
Adjacent Channel Selectivity	65dB/55dB
Intermodulation	60dB
Spurious Response Rejection	65dB
S/N	45dB/40dB
Rated Audio Power Output	0.5W（Speaker impedance: 16 Ohm）
Rated Audio Distortion	≤5%（0.5W）
Conducted Spurious Emission	-57dBm < 1GHz -47dBm > 1GHz

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Hytera_TC-508_DS-vD

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