

'INDUS'M900

Cost Effective

Professional Mobile Radio

General

Frequency Range (MHz)	VHF: 136-174 UHF: 400-470 450-500 470-520 350-400	
Channel Capacity	8/128	
Zone Capacity	16	
Channel Spacing (KHz)	12.5/20/25	
Operating Voltage	13.6V DC \pm 15%	
Current Drain	Standby	0.5A
	Receive	<2.0A
	Transmit	<5A(5W)/<8A (25W)
Frequency Stability (ppm)	\pm 2.5	
Operating Temperature (°C)	-30~+60	
Antenna Impedance (Ω)	50	
Dimensions (L×W×H) (mm)	152×43×125	
Weight Kg (Approx)	1	

Transmitter

RF Power Output (w)	5/25 \pm 0.5dB
Modulation	16K Φ F3E/11K Φ F3E
Frequency deviation	\pm 2.5 KHz Max. (For 100% at 1KHz) for 12.5 KHz channel spacing
Modulation Sensitivity	1 to 10 mv at 1KHz at mic input for \pm 1.5 KHz (for 12.5 KHz channel spacing) standard deviation
Audio Distortion	\leq 3%

Receiver

Sensitivity (μ V)	0.28/0.33/0.35
Selectivity (dB)	Better than 60 dB
Squelch sensitivity	0.25 uv or better at threshold
Internal Audio Power Output(Rated)	5W (less than 5% distortion) 3W (less than 3% distortion)
External Audio Power Output(Rated)	13W (less than 5% distortion) 12W (less than 3% distortion)



- Compact Design
- Wide-Band Coverage
- Powerful Audio
- Scrambler

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The high-performance, yet simple-to-use INDUS M900 mobile is created to give you the immediate, reliable communication you need to keep mobile teams working efficiently. Voice compander audio enhancement and a powerful 5W internal or 13W external speaker ensure superb clear, crisp sound, even in noisy environments. It's compact design makes these radios ideal when mounting space is a constraint.

'INDUS' M900

Professional Mobile Radio

Super Features

Compact Design

Compact mobile radios are ideal for mounting when space is constraint.

Wide-Band Coverage

Radio provides wide band capability for users requiring a large range of frequencies. VHF is 136-174 Mhz, and UHF is 400-470 MHz, 450-500 MHz, 470-520 MHz, and 350-400MHz.

Powerful audio

Voice compander audio enhancement and a powerful 13W external speaker will provide superb clear, crisp sound, even in noisy environments.

Scrambler

Maintaining private and secure communications is increasingly important, with potentially sensitive information flowing back and forth. The optional scrambler feature provides enhanced security for your important and private communications.

HDC2400 and HDC1200 signalling

The HDC2400 signalling contributes to the system to achieve features including ANI (Automatic Number Identification), Individual Call, Group Call, Broadcast, Kill, Short Message and Data Transmission.

The HDC1200 Signalling is compatible with MDC1200, and allows functions including PTT ID Encode, Emergency Encode, Radio Check Decode, Kill & Revive, Individual Call, Group Call and Broadcast.

Short message

Users can edit messages via keypad, or send pre-defined messages. Messages can be sent between radios or via the control center.

Special Features

Automatic Number Identification (ANI)

After HDC2400 or HDC1200 signalling is received, the radio will display the ID or alias of the other party. The radio firmware supports a selective call list containing up to 128 items.

Modem

1200/2400bps MSK modulator offers data transmission capability.*

Emergency alarm

The emergency button allows for a transmission of a signal indicating an emergency situation.

Kill and revive

The kill function permits an authorized radio to remote disable another lost radio. This function can ensure you higher security and is perfect for the radio rental business. A killed radio will return to operational use when the revive code is received.

DTMF function

The DTMF calling function offers flexible dialing procedures of alias dialing, auto dial and redial as well as manual dialing. Customized, user friendly number storage can be used for your most often called numbers.

Public Address (PA)

The public address feature feeds microphone audio through a powerful PA amplifier to the external speaker, offering robust, out of vehicle, audio clarity.

Large 15-Segment LCD Display

Users may toggle the display to channels or zones, auto dial numbers or other functional settings. The keypad and display illuminates to provide visibility for night time operation.



128 Channels and Dynamic Regrouping

The 128 channel and zoning capability offers flexibility in organizing work groups. Each channel and zone can be assigned a user friendly name for easy identification. Dynamic regrouping offers flexibility in a changing work group environment.

Lone Worker

The lone worker feature provides added security and safety for individuals who work remotely from their team. Since this function is enabled, the radio will emit an alert tone after the preset time elapses, then the user must press any key, otherwise the emergency procedure will be activated.

Ignition Sense, Timed Power Off

When this function is enabled, you have to connect the ignition wire to the rear panel of the radio so that you can turn on/off the radio by igniting/stalling the car. The radio can only be turned on by igniting the car and will be turned off automatically within the preset time after the car stalls.

6 / 4 Programmable Backlit Keys

Provides immediate and easy access to your most often used features.

Versatile Scan

Scan allows for single or multiple zone scanning. Scanning features include add / delete scan channels, nuisance channel delete and user selectable priority channel.

Channel Scan

Scan feature offers priority channel scan, selectable priority channel, nuisance channel temporary delete, etc.

Wired Cloning / MSK Wireless Cloning

Allows users to quickly and easily duplicate one radio's parameters into another radio.

UST (User Selectable Tone)

The user can select CTCSS/CDCSS codes via the programmed function key.

Recommended Applications

- Police
- Security
- Firefighting
- Government

Accessories

