



HM 652, HM682, & HM782 Mobile Radio Series Comparison

Quick guidance: Choose the HM652 for compact, cost-effective mobile communications with controls on the handheld microphone. Choose the HM682 when drivers need a front-panel LCD and tactile controls in a compact mid-tier radio. Choose the HM782 for the broadest system support, highest channel capacity, 2.4-inch color display, gateway connectivity, and advanced expansion features.

Feature Comparison

Feature	HM652	HM682	HM782
Best for	Cost-conscious fleets needing simple, reliable mobile voice and data	Fleets needing a compact radio with a front-panel display and controls	Advanced fleets, dispatch, multi-system deployments, and gateway applications
Product position	Entry-level H-Series professional DMR mobile	Mid-tier H-Series professional DMR mobile	Top-of-line H-Series professional DMR mobile and compact gateway
User interface	Control keys on the handheld speaker microphone; simple operation	Front-panel LCD with tactile keys and handheld microphone	2.4-inch 240 × 300 color TFT-LCD, six-grid navigation, smart knob, navigation and programmable keys
Channel capacity	512 channels, 32 zones, 32 channels per zone	512 channels, 32 zones, 256 channels per zone	1,024 channels, 64 zones, 256 channels per zone
Supported systems	Analog and Digital Conventional, DMR Tier II, optional XPT multi-site trunking, and roaming	Analog and Digital Conventional, DMR Tier II, optional XPT multi-site trunking, and roaming	Analog and Digital Conventional, MPT and XPT Trunking, DMR Tier II and Tier III,



			IP Multi-Site Connect, and DMR Simulcast
Audio	AI-based voice enhancement and howling suppression for clear in-vehicle audio	AI-based voice enhancement and howling suppression for clear in-vehicle audio	Optimized forward-facing loudspeaker and AI-based noise reduction for background noise as loud as 30 dB
Connectivity and location	Optional GPS and Bluetooth; GPS-capable models support real-time location reporting	Optional GPS and Bluetooth 5.0; GPS-capable models support real-time location reporting	GPS, built-in Bluetooth 5.0, Ethernet, and microSD; supports radio/data-network gateway functions
Safety features	Emergency button, Lone Worker, optional Priority Interrupt, and remote enable/disable	Emergency button, Lone Worker, optional Priority Interrupt, and remote enable/disable	Emergency button, emergency calling, Priority Interrupt, and Lone Worker
Security	Digital end-to-end encryption; advanced AES encryption available by license	Digital end-to-end encryption; advanced encryption options vary by configuration and license	Digital end-to-end and over-the-air encryption; hardware card and ARC4/AES software options
Ruggedness	IP54 and MIL-STD-810G	IP54 and MIL-STD-810G	IP54 and MIL-STD-810G
Distinctive capability	Compact entry-level design with microphone-based controls	Compact chassis with an integrated LCD and tactile front-panel interface	Compact gateway, wireless repeater link, telephone calling, and advanced network connectivity

Which Radio Should You Choose?

Choose the HM652 for cost-effective, straightforward fleet communications

The HM652 is the entry-level choice for fleets that need reliable analog and DMR voice and data in a compact chassis without a front-panel display. Controls on the handheld speaker microphone simplify operation, while AI-based audio processing, optional GPS and Bluetooth, worker-safety functions, encryption, and high receiver sensitivity support everyday vehicle and remote-worker communications.

Choose the HM682 for a compact front-panel interface

The HM682 is the mid-tier choice for fleets that want the compact size and core H-Series strengths of the HM652 plus a front-panel LCD and tactile controls. It supports analog and digital conventional operation, DMR Tier II, optional XPT trunking, roaming, optional GPS and Bluetooth 5.0, AI-based noise cancellation, and the same 512-channel capacity with more channels available per zone.

Choose the HM782 for advanced systems and gateway connectivity

The HM782 is the most capable model in this comparison. Its 2.4-inch color display, 1,024-channel capacity, broader conventional and trunking-system support, Ethernet and microSD connectivity, and mobile-radio gateway functions make it the best fit for complex fleet, dispatch, multi-site, and coverage-extension applications.

Product capabilities and available options vary by model, band, system configuration, firmware, and licensing. Confirm final system compatibility, accessories, and enabled features with an authorized Hytera dealer before purchase.

