



HP602, HP682, HP702, & HP782 Portable Radio Series Comparison

Quick guidance: Choose the HP602 for a compact professional DMR radio with simple controls and a one-line OLED display. Choose the HP682 when a compact radio with a 1.8-inch color display and full keypad is needed. Choose the HP702 for HP7-Series battery life, a larger speaker, and streamlined OLED operation. Choose the HP782 for the most capable user interface, including a 2.4-inch color display, full keypad, text messaging, and microSD support.

Feature Comparison

Feature	HP602	HP682	HP702	HP782
Best for	Compact professional use with simplified controls	Compact teams needing a color display and full keypad	Demanding professional use with streamlined controls and longer battery life	Advanced users needing a large color interface, keypad, messaging, and recording support
Radio platform	HP6 Series professional DMR handheld	HP6 Series professional DMR handheld	HP7 Series professional DMR handheld	HP7 Series professional DMR handheld
Display and controls	One-line OLED display, 360° smart knob, programmable buttons	1.8-inch HD TFT-LCD, full keypad, navigation buttons, 360° smart knob	One-line OLED display, 360° smart knob, programmable buttons	2.4-inch HD TFT-LCD, full keypad, navigation buttons, 360° smart knob
Battery shift life	20 hours on high transmit power at 5/5/90 duty cycle	20 hours on high transmit power at 5/5/90 duty cycle	24+ hours with lithium-polymer battery	24 hours on high transmit power at 5/5/90 duty cycle



Audio	Forward-facing speaker, AI noise suppression, acoustic feedback suppression, water-porting	Forward-facing speaker, AI noise suppression, acoustic feedback suppression, water-porting	Large forward-facing speaker up to 93 dB, AI noise suppression, acoustic feedback suppression, water-porting	Large 36 mm forward-facing speaker up to 93 dB, AI noise suppression, acoustic feedback suppression, water-porting
Connectivity and location	Optional GPS and Bluetooth	Optional GPS and Bluetooth; supports audio and data with wireless accessories	Optional GPS and Bluetooth	Optional GPS and built-in Bluetooth for wireless accessories; microSD support
Safety features	Emergency calling, priority interrupt, Lone Worker, and Man Down	Programmable emergency button, emergency calling, priority interrupt, Lone Worker, Man Down, hearing protection	Easy-access emergency button, emergency calling, priority interrupt, Lone Worker, and Man Down	Easy-access emergency button, emergency calling, priority interrupt, Lone Worker, Man Down, hearing protection
Security	End-to-end ARC4 and AES encryption	End-to-end ARC4 and AES encryption	End-to-end ARC4 and AES encryption	End-to-end ARC4 and AES encryption
Ruggedness	IP68 and MIL-STD-810G; 2 m drop testing	IP67 and MIL-STD-810G; 2 m drop testing	IP68 and MIL-STD-810G; submersible to 2 m for 4 hours and 2 m drop tested	IP68 and MIL-STD-810G; submersible to 2 m for 4 hours and 2 m drop tested
Distinctive capability	Compact, lightweight design weighing under 10 oz	Compact full-keypad interface with layered color display	HP7 performance and 24+ hour shift life without a full keypad	Conversational text messaging and microSD-enabled voice recording

Which Radio Should You Choose?

Choose the HP602 for compact, straightforward professional communications

The HP602 is a strong fit when users need a compact HP6-Series DMR handheld with simplified controls, a one-line OLED display, optional GPS and Bluetooth, and a 20-hour shift life. It retains H-Series audio, encryption, worker-safety features, and rugged construction while weighing less than 10 ounces.

Choose the HP682 for compact full-keypad operation

The HP682 adds a 1.8-inch HD color display, full keypad, and navigation buttons to the compact HP6-Series platform. It is suited to teams that need richer on-radio operation and data functions while retaining 20-hour battery life, optional GPS and Bluetooth, AI noise suppression, encryption, and professional safety features.

Choose the HP702 for longer shifts with streamlined controls

The HP702 combines the HP7-Series platform, 24+ hour lithium-polymer battery life, a large speaker rated up to 93 dB, and a one-line OLED display. It is the better choice when long shifts, clear audio, ruggedness, and easy-access emergency functions matter more than a full keypad or large color screen.

Choose the HP782 for the most advanced user interface

The HP782 is the most feature-rich model in this comparison, pairing HP7-Series battery life and audio with a 2.4-inch HD color display, full keypad, navigation controls, conversational text messaging, optional GPS, Bluetooth connectivity, and microSD support for capabilities such as voice recording. It best suits users who need extensive functions directly from the radio.

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.

