

SPECIAL BENEFITS OF MIDLAND P25 SYSTEM

P25 Radios are somewhat more expensive than analog radios, or even digital radios with limited capacity such as MotoTRBO or even FDMA 6.25. In the long run they cost less to operate and the cost will continue to drop as more and more users turn to this technology. All US Federal agencies are now mandated to purchase ONLY P25 equipment and the SafeCom standard utilized by Homeland Security requires P25 compatibility.

To give you an idea of why P25 is the US government standard, and in particular the reason why Midland is becoming the vendor of choice; let's quickly review each component of the P25 system.

REPEATER STATION

Up to 110 watt power output in a desktop cabinet WITHOUT cooling fans

Operates with analog or digital radios – no switching required

Small package – weighs less than 50 pounds – Can be placed on a desktop

5 year warranty with maximum one week turnaround through board exchange

Low current drain – less than 300 milliwatts receive and 15 amps transmit allows the system to operate from a single DC battery with low cost switching power supply.

Built in fault alarm regulator – Automatically reduces power and transmits alert if there is a problem.

Costs less than half that of other P25 repeaters

Can operate in high noise level environments with no degradation

Can use any duplexer, even existing analog type units already in service

MOBILE RADIO

User programmable without PC, software or special tools

999 channels

Text messaging keypad standard as well as status messaging

3 year factory warranty

Full 50 watts or RF power

7.5 watts of audio

PORTABLE RADIOS

User programmable without PC, software or special tools

999 channels

Optional trunking upgrade to P25 standard (Not yet defined)

Optional upgrade to DES or AES encryption when desired

Full compatibility with US Forest Service radios, Department of the Interior, US Post Office, and all US government agencies as well as open standard P25 radios offered by E.F. Johnson, ICOM, Kenwood, M/A-COM, Motorola, Tait, Thales, and Vertex

Text messaging keypad standard as well as status messaging

3 year factory warranty

Full 5 watts or RF power

600 mW high output audio

Clamshell battery pack (AA) optionally available for up to 20 hours of operation from disposable batteries

RSSI Indicator (Required in US Forest service standards)

Weighs just 7.5 ounces

Measures just 6 x 2-3/8 x 1-3/8"

MIL-SPEC rated for D,E, & F

