

Draadloze communicatiesystemen



PD705/705G

Versatile Digital Portable Two-Way Radio

- Superior Digital Voice
- Submersible with IP67 Rating



As a product built to the DMR standard, PD705/705G (PD705G is the model with GPS) is endowed with ergonomic design, all-round digital functions and remarkable quality to refresh your experience and enable you to be responsive to emergent situations.

Product Features

● Ergonomic Design

The globally patented industrial design and antenna design ensure convenient operation and remarkable GPS performance.

● Reliable Quality

PD705/705G is strictly compliant with MIL-STD-810 C/D/E/F/G and IP67 standards, ensuring outstanding performance even in harsh environments.

● Superior Voice

With the combined application of narrowband codec and digital error-correction technologies, PD705/705G is capable of ensuring you superior voice in noisy environments or at the edge of the coverage area. In addition, the adoption of the AGC technology also optimizes your voice. With a built-in 1W speaker, PD705/705G ensures clear and crisp voice communication.

● Durable Battery

Compared with an analog radio, PD705/705G can obtain an extra 40% operation time.

● Higher Spectrum Efficiency, Higher Channel Capacity

Benefiting from the TDMA technology, PD705/705G allows twice the channels based on the same spectrum resource. This is a big help to relieve the stress of increasing shortage in spectrum resource.

● Dual-slot Pseudo Trunk

With this feature, the free slot can be allocated to a member that needs to communicate, effectively enhancing frequency efficiency and allowing you to communicate timely under emergency situations.

● Secure Communication

Besides the intrinsic encryption of the digital technology, PD705/705G provides enhanced encryption capability (such as 256-bit encryption algorithm) and the Scrambler feature (selectable).

● Versatile Services

In addition to conventional communication services, PD705/705G features rich data services and selectable functions such as Text Message, Scan, Emergency, Man Down (optional), vibration Auto Registration, High-speed Data Transmission* and Lone Worker.

● Further Development Port

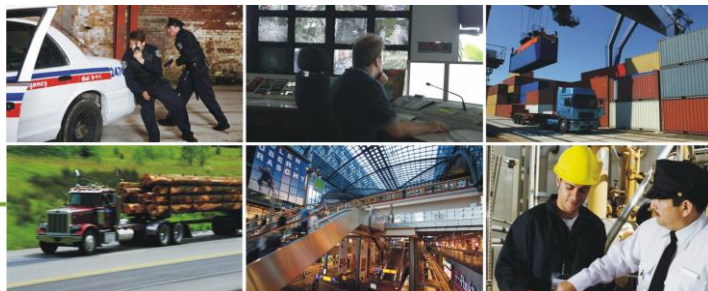
The reserved side port in PD705/705G allows users or any third party partner to further develop other helpful applications to extend the radio functionalities!

● Option Board Interface

PD705/705G supports option board interfaces to radio, allowing third party partner to develop various applications to interconnect with radios to control the radio to expand its functionalities! Among the supported features are voice recording, encryption* etc. Please refer to the API Partner Programmed for more information!



Main Functions



- **Dual Modes (Analog+Digital)**

PD705/705G can operate in either analog or digital mode. It is compatible with the prevalent analog system, ensuring a smooth analog-to-digital transition.

- **Versatile Voice Calls**

Intelligent signaling of PD705/705G supports various voice call types, including Private Call, Group Call, All Call and Emergency Call.

- **Various Analog Signaling Types**

PD705/705G supports various analog signaling types (HDC1200, DTMF*, 2-Tone and 5-Tone), various squelch control types (CTCSS/CDCSS), thus providing higher function expansion capacity to the analog world.

- **One Touch**

PD705/705G supports One Touch features that comprise of Text Message, Voice Calls and Supplementary Services.

- **Scan**

PD705/705G supports scanning of pure Analog voice and signaling, pure Digital voice and data, and also mix mode scan that comprise of Analog and Digital activities.

- **Roaming**

PD705/705G supports automatic roaming of all sites in a IP Multi-site Connect system.

- **Privacy of Voice and Data**

PD705/705G supports analog scrambling, and digital encryption using Advanced Encryption Standard (AES) and ARCFOUR (ARC4) encryption methodology to both voice and data.

- **Analog/Digital Telephone Interconnect (via DTMF signaling)**

PD705/705G supports simplex voice communications between radio and telephone users. It allows a radio user to make a telephone call; or a telephone user to make either a Group or Private call to radio users. This feature utilizes the Commercial Off The Shelf (COTS) Analog Phone Patch boxes and a Plain Old Telephone Service (POTS) line to connect the radio users to the Corporate Office Phone System (PBX) or Public Switched Telephone Network (PSTN).

- **Software Upgradable**

With this capability, you can enjoy firmware upgrade without purchasing a new piece of radio hardware!