

Hytera PD412

Analog/Digital/RFID radio

The ultimate in personal communications plus enhanced safety and more efficiency!

The PD412 – The radio that talks, reads, and reports!



The PD412 is a part of the new Straight-Talker product family, and the heart of the Hytera Patrol System for better security and administrative control.

The PD412 is efficient and affordable. There is nothing else quite like it! It can even be your time clock!

There once was a time

When personal 2-way radios only provided the ability to communicate. Over the years, they became smaller, lighter, more efficient and less expensive. That was good, but they were (and are) still just radios!

The along comes the PD412 with the added capability of improving user safety along with more administrative efficiency. This affordable compact radio can operate in the VHF or UHF frequency bands in both analog and DMR digital modes, PLUS in has a built in RFID reader!

This means that activites of correctional facility officers, private security personnel, maintenance workers, even housekeeping personnel in hospitals, hotels, and resorts can be monitored and reported. Better yet, safety for workers at high risk can be significantly enhanced.

And the really great news is that these incredible new radios cost no more than ordinary radios, and actually LESS to operate and maintain!

The PD412 is made by Hytera, the second largest 2-way radio manufacturer in the world, and it will cost you less to own than keeping older radios in service. Here's why! The PD412 is covered by a three year factory warranty plus our exclusive next day exchange if maintenance is required, low cost battery replacement, and our exclusive Auto Upgrade program to assure the lowest operational cost possible! And, we have a full line of optional accessories to help you get your job done, better, and less expensively!

We offer a complete line of audio accessories including earpieces, speaker-microphones, and surveillance headsets. If needed, we have in-building or wide area repeaters. We also have devices that can connect the PD412 to wide area trunked systems (800 MHz, ARCS, Astro 25, DTR, EDACS, MotoTRBO, MSWIN, NXDN and P25; and we can also convert radio messages to text or email messages to your cell phone! (See reverse side for additional information).



Call anytime – 800.489.2611 or Email ServicingU@The-Communicators.net

PD412 SPECIFICATIONS

General	
Frequency Range	UHF:400-470 MHz VHF:146-174 MHz
Channel Capacity	48
Zone Capacity	3
Channel Spacing	25/12.5KHz
Operating Voltage	7.2V
Battery	1500mAh (Li-Ion) 2000mAh (Li-Ion)
Battery Life (5/5/90)	Analog/Digital: 12/16 hours (1500mAh) 16/22 hours (2000mAh)
Weight	8 oz. (with AN0435W09 and BL1506)
Dimensions	4.25 x 2.13 x 1.14"
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Receiver	
Sensitivity (Digital)	0.22µV / BER 5%
Sensitivity (Analog)	0.22µV (Typical) (12dB SIN AD) 0.4µV (20dB SIN AD)
Adjacent Selectivity	TIA-603 60dB @ 12.5KHz/70dB @ 25KHz
Spurious Response Rejection	TIA-603 70dB @ 12.5/25KHz
Inter-modulation	TIA-603 65dB @ 12.5/25KHz
Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
RF Power Output	VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W
FM Modulation	11K0F3E @ 12.5KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm <1GHz, -30dBm >1GHz
Modulation Limiting	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz
FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @ 25KHz
Audio Response	+1 ~ -3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102361-1,-2,-3
Environmental	
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Dustproof & Waterproof	IP54 Standard
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

All specifications are subject to change without notice due to continuous development.

ACCESSORIES & SPECIAL PRODUCTS

PR412 radio with desk charger - \$636. RFID personnel ID and location reporters - \$10 ea.

Spare battery - \$39, - Gang charger (6 unit) - \$399 – Extend warranty to 5 years - \$60

Audio accessories (speaker-microphones, etc) – See info4u.us/Hytera-Audio-Accys.pdf

BlueLINX to connect to other radio systems– See info4u.us/BlueLINXpdf

SiteLINX to extend range and connect with other locations – See info4u.us/SiteLINX.pdf

More information on the PD412 Patrol Radio System – See info4u.us/PatrolLINX.pdf

For more information about us, see falconwireless.net



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