

PT560H

TETRA handheld radio



Compact design, extremely user-friendly

The PT560H combines a compact housing with large buttons to ensure maximum user-friendliness.

Dustproof and waterproof

The device meets the requirements of the IP68 protection class in full, complies with the requirements of the MIL-STD-810 G standard, and has passed the HALT (Highly Accelerated Life Test) tests.

Versatile services

Further functions can be used in addition to voice and data communication, such as GPS, encryption, prerecorded channel announcements, etc.

Wireless communication

The PT560H provides rapid access to the TETRA radio network and its services. It was developed according to the regulations of the ETSI TETRA standard and is therefore compatible with infrastructures and terminals from various manufacturers.

Technical Data PT560H

Variants							
	Bluetooth	Man Down	GPS	RTC	E2EE	Vibration	DMO Repeater
PT560H B (Basic)	No	No	No	No	No	Yes	License
PT560H E (Executive)	No	No	Yes	Yes	License	Yes	License
PT560H S (Specialized)	Yes	Yes	Yes	Yes	Yes	Yes	License

General data	
Frequency ranges	380 – 430 MHz 405 – 475 MHz 806 – 870 MHz
Dimensions (H x W x D) (with standard battery, without antenna)	127.5 x 54.5 x 39.5 mm
Weight (without battery, without antenna)	237 g
Operating voltage	7.4 V
Battery (lithium-ion battery)	2000 mAh (standard battery) 2500 mAh (opt. high-performance battery)

General data	
Programmable keys	10
LCD display	160 x 128 pixels, 65,000 colors, 1.8 inches
Call group number – TMO	6000
Call group number – DMO	4000
Phonebook	2000 entries
Group folders – TMO (use for scanning, scan lists)	200 (200 groups per list)
Group folders – DMO	50 (200 groups per list)
Number of short messages (SDS) (inbox, outbox, drafts)	400 / 50 / 50
Number of status messages	200

Environmental conditions	
Operating temperature range	-30 °C to +60 °C
Storage temperature range	-40 °C to +85 °C
Relative humidity	ETS 300 019 (95 %)
Protection against dust and moisture	IEC60529 IP68
Shock and vibration resistance	MIL-STD-810 G

Radio characteristics	
Channel spacing	25 kHz
Transmitting power	up to 3 W (adjustable) / max. 1.8 W at 806 – 870 MHz
Transmitting power accuracy	±2 dB
Transmitting power control	Five steps, each of 5 dB
Receiver class	ETSI EN 392-2/396-2 class A & B
Static receiver sensitivity	-116 dBm (typically -118 dBm) -115 dBm (typically -116 dBm) (800 Mhz)
Dynamic receiver sensitivity	-107 dBm (typically -109 dBm) -106 dBm (typically -107 dBm) (800 Mhz)

GPS (optional)	
GPS accuracy	≤ 2.5 m
Sensitivity	≤ -146 dBm acquisition sensitivity ≤ -165 dBm tracking sensitivity
Time to first fix (TTFF)	< 35 seconds (cold start) < 1 seconds (warm start)

Bluetooth (optional)	
Integrated Bluetooth	R4.0 module
Bluetooth LE support	Yes

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



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Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

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