

PUMA T4

CYBER SECURITY DIVISION

Professional Handheld Radios



NEXT-GEN PROFESSIONAL COMMUNICATIONS DEVICES

Field officers are commonly faced with evolving scenarios requiring them to act as mobile sensors in addition to autonomous operating units. The increased importance of data communications (audio and video) is shaping the requirement for new devices that support the activities of first responders in a flexible way without compromising the security and robustness that are characteristics of PMR radios.

We are one of the largest manufacturers of critical communications equipment for the homeland security communities and military services. Having designed, built and managed networks throughout the world gives us unequalled product experience and a deep appreciation of the critical nature of our users' demands.

The PUMA T4 family introduces a new concept of modular handheld radio, combining reliable and secure communications with new value-added services for enhanced efficiency. Computing, ancillaries and MMI functions are integrated within a device that can be delivered in different versions. This provides users with immediate access to a full range of video and data services together with new and innovative applications to support mobile operations.

KEY FEATURES

- > Large colour display
- > PTT button, emergency key and rotary selector for volume/group
- > Support for browsing, images and video
- > Voice and data support over TETRA, (on TETRA bearers require CSP infrastructure for voice support)
- > Keypad or touchscreen variants
- > Android 5.1 OS
- > Camera, Wi-Fi, Bluetooth and Near Field Comms (NFC)
- > Enhanced location services, GPS, integrated accelerometer
- > Accessories interface





MODELS

There are four models of the PUMA T4 available which operate over different communications bearers (TETRA and dual mode TETRA/LTE) and are available with either a touchscreen or keyboard.

MODEL	TETRA	TETRA/LTE
PUMA T4-TE (*)	●	
PUMA T4 TK (**)	●	
PUMA T4 TLE (*)		●
PUMA T4 TLK (**)		●

(*) touch, (**) keyboard

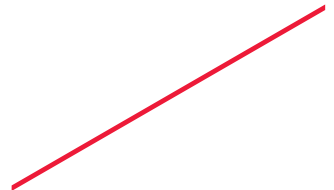
GENERAL SPECIFICATION

Regardless of the PUMA T4 variants, the core functionality and technical specification are common across all models.

The compact, ruggedised handset measures 153x69x39 mm and weights about 430g. It uses the Android 5.1 Operating System and is equipped with 1GB RAM. The onboard FLASH storage (8GB) can easily be supplemented by using an industry standard Micro SD Card (up to 32GB).

The device is operated via a touchscreen or keyboard alongside a small number of dedicated buttons and selector switches. The touchscreen version is equipped with a 3.5" colour LCD screen while the keyboard version has 2.4" colour LCD.

The PUMA T4 series re equipped with a wide range of standard and optional accessories as; antennas (short and whip), desktop and travel chargers, desktop multi-charger, remote speaker microphone, lightweight headset with transparent earbud, USB programming and data cables, leather bag with belt clip.



TECHNICAL DATA

	TETRA	TETRA/LTE
Bearer	> TETRA	> DUAL MODE
Frequency bands	> 340 MHz to 400 MHz > 380 MHz to 470 MHz	> TETRA: 340 MHz to 400 MHz > TETRA: 380 MHz to 470 MHz > LTE: 1, 3, 5 and 7 bands
Protocols	> TMO, DMO, DMO via Repeater, DMO via Gateway	> TETRA: TMO, DMO, DMO via Repeater, DMO via Gateway > LTE
Output power	1.8W (3L class)	> TETRA: 1.8W (3L class) > LTE: 23 dBm (max)
Channel spacing	25 kHz (step 6.25 kHz)	> TETRA: 25 kHz (step 6.25 kHz) > LTE: 1.4, 3, 5, 10, 15 and 20 MHz
Security support	> Air-Interface Encryption, (TEA 1, 2, 3), > End-to-End Encryption	> TETRA: Air-Interface Encryption, (TEA 1, 2, 3) > TETRA/LTE: End-to-End Encryption

MECHANICAL

Battery	5.100 mAh, 3.7
Display	> 2.4" colour LCD TFT (320x240 RGB resolution) with 262K colours (keypad version) > 3.5" high resolution colour LCD TFT with 16 million colours (touch version)
Dimensions (HxWxD)	153 x 69 x 39 mm [6,02 x 2,72 x 1,54 in] (including rotary knob and battery)
Weight	Approx. 430 g [0,95 lb] (included battery)



PUMA-T4 TK model →

← PUMA-T4 TLE model



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