



DELIVERING STREET READY DATA

LEX 700 MISSION CRITICAL HANDHELD

One thing connects every first responder. It's the street. It's where the unexpected happens daily. And first responders need to be ready.

The Motorola LEX 700 Mission Critical Handheld lets you respond with the intelligence of the entire team at your back. With a rugged, discreet form factor and a quick-response interface, it gives you always-on public safety applications that help you see what's in front, what's behind, and what's next, all at once. It's the one solution with government-grade security and easy deployment and management. And the one solution that makes you ready for almost anything.

EXCEPTIONAL CONNECTIVITY

Whether it is data, photos, video or voice, the LEX 700 Mission Critical Handheld is designed to bring it to you quickly, reliably and securely. In the field, the LEX 700 delivers virtually unlimited connectivity:

- Band 14 Public Safety LTE
- Band 13 Verizon Wireless LTE
- 3G EVDO Rev. A
- CDMA 2.5G and 2G cellular
- 802.11 a/b/g/n Wi-Fi™
- Mission Critical Wireless and Bluetooth®
- Mobile VPN (Virtual Private Network) with prioritization
- GPS, including standalone and assisted (aGPS)

This connectivity not only makes the LEX 700 versatile in the field – it also helps your agency leverage existing infrastructure and maximize return on prior investments.

PRODUCT SPEC SHEET

LEX 700 MISSION CRITICAL HANDHELD

A WORTHY PARTNER FOR YOUR RADIO

Public Safety agencies rely on voice communications, and the LEX 700 Mission Critical Handheld brings a multitude of voice technologies to the field, in one rugged package:

- VoIP support, including secure calls over a Mobile VPN
- ASTRO® 25 radio network connectivity via the LTE-P25 gateway
- Dedicated Push-to-Talk (PTT) button
- Dual-microphone noise canceling technology
- Voice connectivity over cellular networks

With Mission Critical Wireless technology, the LEX 700 can securely touch-pair with an APX® 7000 radio, letting you monitor radio traffic, change volume and switch channels, while keeping the radio out of sight.

THE ART AND SCIENCE OF MISSION CRITICAL DESIGN

Motorola pioneered a field of study that focuses on human performance in moments of extreme stress, volatility and uncertainty. It's called High Velocity Human factors, and it reveals that under high stress, people process information very differently. We transferred this research into our device portfolio, integrating ergonomics, cognitive and clinical psychology, as well as physical and cultural anthropology.

The result is a handheld device intuitively designed for emergency response. Its user interface presents critical information front and center for improved decision making and to help ensure that the most critical functions are always accessible. Features like a dedicated Push-to-Talk button, an easy-to-access Quick Action button – even the easy-grip surfaces and rubberized edges – are designed to help your personnel stay safe in high-stress situations.

BUILT FOR THE STREET

Whether it is law enforcement, fire, EMS or others on the front line, they require tools that deliver the voice and data needed in the field. But that's only the

beginning. The tools must also withstand the challenges of working outdoors, in rough conditions 365 days a year – and operate in a way that lets personnel focus on the task at hand, not the technology.

During an incident, every second counts. To keep up with the needs of public safety, the LEX 700 Mission Critical Handheld incorporates powerful hardware components, matched with long lasting batteries:

- Advanced 1 GHz dual-core processor
- Hardware-accelerated 3D graphics
- High-resolution, 4-inch display
- Finger-driven capacitive touch screen made from damage-resistant glass
- Quick Action Button
- Mission Critical Wireless with secure touch pairing
- Bluetooth® 2.0 + EDR
- Choice of batteries: 1930 mAh (1x) or 3860 mAh (2x)

Working in public safety means operating outdoors, often in hostile weather conditions. That's why the LEX 700 is IP54 sealed and ruggedized against everyday hazards like moisture, vibration and temperature extremes. It is also protected against drops to concrete since its, made to exceed MIL-STD-810G test specifications.

HELPING YOU STAY IN CONTROL

A large-scale deployment of portable devices will pose challenges for IT staff. To help make it easier, LEX 700 comes with software and services that help agencies deal with user accounts, deploy and update software to devices in the field, control profiles and policies associated with each device – even delete data from a device that has been lost or stolen. Everything from battery health to patch management to application lockdown can be done while the unit remains in the field. Support staff can also operate a device remotely, which significantly lowers support costs and allows field personnel to stay focused on the mission and remain where they are needed most.

FEATURES



SPECIFICATIONS

LTE

Release	3GPP Release 8 (upgradeable to R9)
Band Class	700 MHz Band 14 (Public Safety LTE) Band 13 (Verizon Wireless LTE)
Output Power	23 dBm +/- 2 dB (UE power class 3)
Bandwidth	5 MHz, 10 MHz Broadband data throughput depends on network conditions

CDMA

Standards	EVDO Rev. A (Band 0, Band 1) 3G, 1X
Frequencies	800/1900 MHz

WI-FI

Operating Band	2.4 GHz
Standards	802.11 a/b/g/n

PERSONAL AREA NETWORKS

Bluetooth®	Bluetooth 2.0 + EDR Max throughput 2.1 Mbps A2DP Stereo Profile Class 2
Mission Critical Wireless	Near-field (touch) pairing Low-frequency pairing Low-latency connectivity 128-bit encryption

GPS

Location Services	Standalone GPS Assisted GPS (aGPS) E-Compass
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DEVICE MANAGEMENT

Software upgrades	Field-upgradable via OTASP (over-the-air service programming)
Remote management and configuration	Compatible with Motorola Mobility Services Platform (MSP) software Planned support for OMA-DM (Open Mobile Alliance Device Management)

PRODUCT SPEC SHEET

LEX 700 MISSION CRITICAL HANDHELD

SPECIFICATIONS CONTINUED

HARDWARE

Processor	1.0 GHz Texas Instruments OMAP™ 4430 Dual-core ARM® Cortex™-A9 MPCore™ with Symmetric Multiprocessing (SMP) Integrated POWERVR™ SGX540 graphics accelerator drives 3D user interfaces Integrated Image Signal Processor
Display	4" 800x480 WVGA Capacitive, finger-driven touch screen Damage-resistant alkali- aluminosilicate glass Protective bezel
Memory	1 GB RAM 8 GB eMMC (max 4 GB addressable by operating system) Expandable to 32GB with microSD™ card
Camera	8 megapixels Auto Focus High-Output LED Flash Digital Zoom
Ports	USB 2.0 High-Speed (micro-B interface) 3.5 mm audio jack (stereo) Accessory/charging port
Batteries	1930 mAh (1x battery) 3860 mAh (2x battery)

SOFTWARE

Operating System	Microsoft Windows® Embedded Handheld 6.5.3 Planned upgradability to Android™ Open Source 4.0
Messaging	SMS/MMS Email (Corporate Sync, POP3, IMAP, Push Email)
Web	Opera Mobile™ 10 Internet Explorer® Mobile 6

VIDEO

Supported Formats	Windows Media Video (WMV) 10, WMV 9 Formats supported for playback, streaming and recording
Video Recording Quality	D1 (DVD quality) 720x480 resolution 30 frames per second (fps)

AUDIO

Supported Formats	MIDI, MP3, WAV, Windows Media Audio (WMA) 10, WMA 9
Output	3.5 mm audio jack (stereo) Bluetooth (A2DP stereo)

PHYSICAL

Dimensions (H x W x D)	5.3 x 2.8 x 0.7 in (175 x 72 x 19 mm)
Weight	With 1x battery: 8.22 oz (233 g) With 2x battery: 9.88 oz (280 g)
Durability	Continues to run after multiple drops to concrete from a height of 48 inches (121 cm) Drop tested using MIL-STD-810G Method 516.6 Procedure IV IP54 sealed (protected against dust and splashing water)
Operating Temperature	14°F to 131°F (-10°C to +55°C)
Storage Temperature	-22°F to 140°F (-30°C to +60°C)

Specifications subject to change.

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