

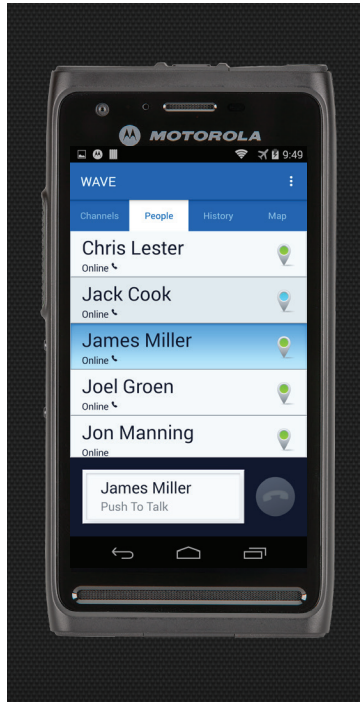


# MOTOROLA LEX L10

**MISSION CRITICAL  
LTE HANDHELD**







## ENABLING A MORE INTELLIGENT RESPONSE

# LEX L10 MISSION CRITICAL LTE HANDHELD

The Motorola LEX L10 LTE Handheld enables more intelligent communication and collaboration by connecting executives, supervisors, remote knowledge workers, field workers and IT managers across businesses. Originally designed for public safety, the sleek yet rugged LEX L10 also meets the unique requirements of the manufacturing, utilities, hospitality, public works and other enterprise environments by delivering advanced capabilities not available in consumer-grade smartphones.

### MINIMIZE DOWNTIME

Managers know downtime is one of the greatest impediments to successful business. The longer it takes field workers to respond to calls or repair equipment, the more expensive disruptions become. If supervisors are able to alert personnel instantly, problems can be more rapidly resolved and work plans can stay on track. With the LEX L10, you can stay connected with your workforce and equipment using applications such as WAVE Work Group Communications, location tracking, work order ticket management and machine alarm notification. The LEX L10 delivers the loud audio and ruggedness that you need to communicate in noisy environments and work in harsh conditions.

### MAXIMIZE PRODUCTIVITY

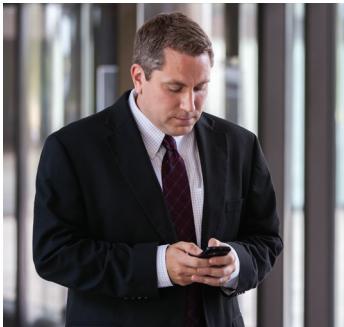
The LEX L10 empowers you to coordinate and collaborate across your facility, the community and the enterprise all from one device. Stay connected to your business with the push of a button, whether you're in the office, on the plant floor or traveling. With customized applications and a customizable user interface, you can be sure you are giving your employees the right information at the right time so they can make informed decisions. The LEX L10 delivers reliable high-speed data and clearer voice on commercial 4G LTE networks. Secure Wi-Fi enables low-cost in-facility coverage, essential for large buildings with thick internal walls. The more connected your employees are, with each other and with crucial information, the more productive they can be.

### ENHANCE SAFETY

Increased awareness and communication capabilities will help minimize your risk for employee injury while on the job. The LEX L10's WAVE Work Group Communications application can alert employees of hazardous areas and will emit an emergency notification. In an emergency, users can hear and be heard on the LEX L10, even in the midst of traffic, crowd noise, or on a noisy plant floor. The LEX L10's dedicated push-to-talk button enables one-handed operation and dual one watt front-facing speakers bring clarity to every conversation. IP 67 rating and MIL-STD 810G helps allow the device to operate even if it is dropped or immersed in water.

## STREAMLINE OPERATIONS WITH EFFICIENT VOICE AND DATA COMMUNICATIONS

The LEX L10 user interface adapts to changing tasks and environments, allowing workers to coordinate and collaborate. It creates a unified user experience between devices and across teams, creating more opportunities to collaborate and share information. It's an intuitive interface that puts safety and productivity above everything else by adapting and focusing only on what's needed. It presents information clearly and concisely, helping to improve efficiency and minimize error.



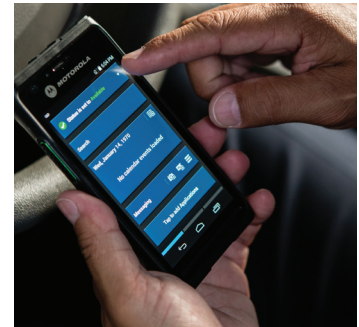
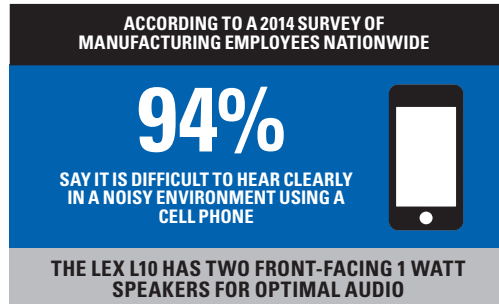
### EXECUTIVE

The business executive spends most of his time in the office and meetings so he uses the LEX L10 for office applications such as calendar, email and conference calls. He can be sure his sensitive information stays secure with hardware encryption and the security enhanced Android OS. He is also able to stay instantly connected to supervisors who monitor operations via WAVE, even while traveling. He can do all of this on one device and doesn't have to carry a smart phone and radio to stay connected.



### IT MANAGER

The IT manager uses a flexible and security enhanced Android OS to build, test and utilize custom in-house applications for the employees across the enterprise. Applications such as work-order ticketing, machinery alarm management and asset performance monitoring, make operations run more efficiently and enhance employee safety. He can use the LEX L10 to improve IT utilization, enhance operational visibility, reduce staffing requirements and improve production quality.



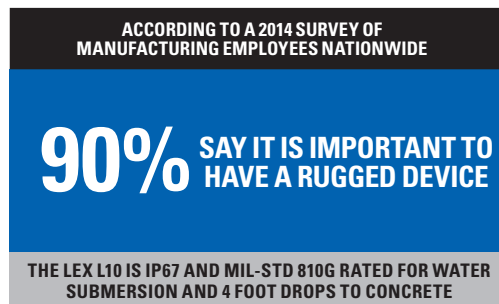
### SUPERVISOR

The supervisor uses the LEX L10 to enhance employee safety, productivity and reduce downtime. He communicates with the workers who use two-way radios via WAVE Work Group Communications and also with his manager, via email, text-messaging and phone calls. The SeQent™ application on his LEX L10 helps him monitor machinery health and work order ticketing to dispatch and monitor jobs. On the same device, he can also access business applications such as his email and calendar so he can stay connected to management.



### ENGINEER

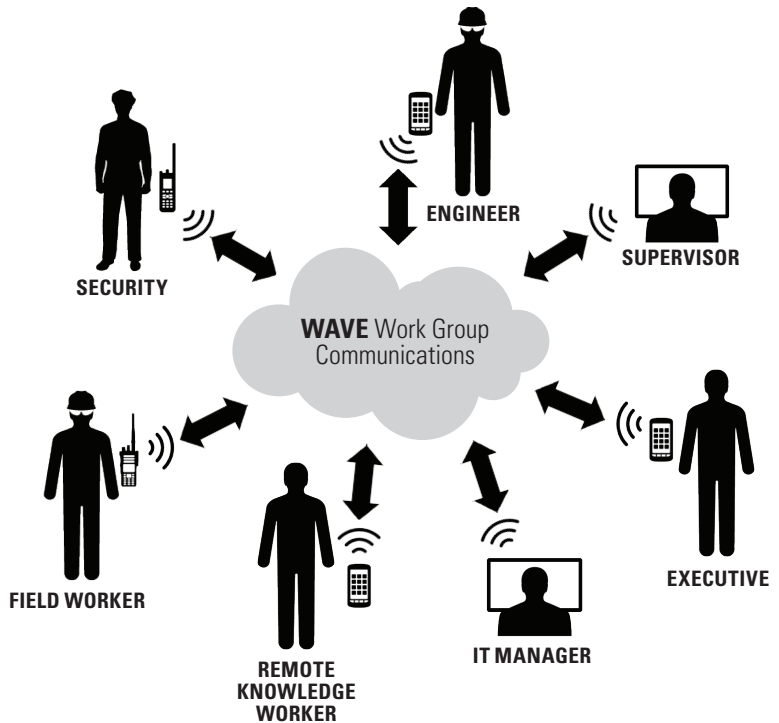
On his LEX L10, the engineer can access technical applications for troubleshooting and machinery monitoring. He can use the web browser to inspect schematics as well as work order ticketing for worker accountability. The SeQent™ application allows him to receive detailed information from machinery and escalate to supervisors if issues come up. Using WAVE Work Group Communications, he communicates with floor workers who use radios and supervisors who use smartphones so issues can be resolved quickly and efficiently.



## **WAVE™ WORK GROUP COMMUNICATIONS**

### **THE RIGHT DEVICE FOR THE RIGHT USER**

Today, virtually everyone – from the smallest business to the largest enterprise – can benefit from push-to-talk (PTT) across their entire operation. PTT delivers the immediacy and spontaneity to connect personnel. WAVE Work Group Communications allows you to use your ruggedized LEX L10 to connect with radio systems and other broadband networks and devices - like consumer-grade smartphones, desk phones and PCs - so that more employees can use push-to-talk to communicate. Whatever the device or available network, WAVE has client applications that meet the needs of all types of users. Called WAVE Communicators, these applications provide the user interface to a WAVE communications system.



### **THE RIGHT APPLICATION FOR THE RIGHT SITUATION**

Specialized applications on the LEX L10 empower your employees to make better decisions and ultimately will help improve efficiency, decrease downtime and enhance safety. Using these applications, your employees can send and receive work orders, monitor equipment, store and forward data, as well as communicate with groups, quickly and efficiently.

#### **ACTIVPLANT™ HMI SCADA ALARMS**

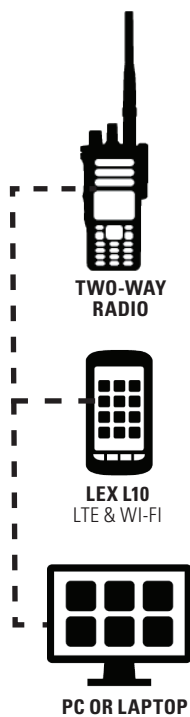
Consolidates plant floor data into relevant real-time and historical intelligence, enabling productivity gains through better decision making. Machine sensors can send alarms via HMI SCADA into alarm management systems to quickly dispatch personnel for immediate resolution.

#### **SEQENT™ ALARM MANAGEMENT**

Enables real-time plant floor messaging between machinery and workers. Alarms and events that occur in plant floor equipment send build counts, faults, targets and descriptions to the right person at the right time via work order management systems.

#### **MAXIMO™ WORK ORDER MANAGEMENT**

Provides remote access to work management tools. Managers can view work orders, job plans, safety plans, assets and repair histories from their mobile devices.



#### **INTELLIGENT DATA PORTAL**

Gathers location-based information from existing databases, organizes it, and maps it using layers to show the location of people, assets, events and alerts. This cloud-based mobile application integrates information from disparate systems and applications, providing field workers with critical information.

#### **MOTOROLA SOLUTIONS MOBILE VPN**

Designed to solve customers' security, connectivity and mobility requirements. Provides mobile devices with access to network resources and software applications on their network.

#### **MOBILE EPIPHANY™ TOUCH MOBILE**

Collects data in an intuitive and user-friendly way, in order to make business processes run smoothly. Look up your assets geospatially, by barcode or through a number of other unique methods.



# THE ART OF MISSION CRITICAL DESIGN

The LEX L10 delivers an exceptional combination of rugged hardware, powerful software and broadband connectivity. Optimized to work as a part of a mission-critical ecosystem, it has the usability of a radio with the capabilities of a smartphone.



## LEX L10 ACCESSORIES

### QUICK-ACCESS LEATHER HOLSTER

Designed to meet public safety specifications, the leather holster securely holds the LEX L10 Mission Critical Handheld while also providing quick "eyes-off" volume and dedicated push-to-talk buttons.

### VEHICLE AND DESKTOP CHARGING CRADLES

Continue to use the LEX L10 screen while conveniently charging it in the desktop or vehicle cradle. Designed for easy in and out charging, the vehicle and desktop cradles help you to stay informed and mobile.

### REPLACEABLE HIGH CAPACITY BATTERY

Made to last the entire shift, the LEX L10 is compatible with replaceable high capacity and extra high capacity batteries. Be confident that your device will keep you connected throughout the day and safe in case of an emergency.

PRODUCT DATA SHEET  
LEX L10 MISSION CRITICAL LTE HANDHELD

LTE	
Release	3GPP Release 9
Band Class	Band 4, 13 Band 14 (Public Safety 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, 5 GHz
Standards	802.11 a/b/g/n

PERSONAL AREA NETWORKS	
Bluetooth	Bluetooth 4.0 Low Energy (LE) + Enhanced Data Rate (EDR) Mission Critical Wireless Bluetooth Max throughput 2.1 Mbps A2DP Stereo Profile

GPS	
Location Services	Standalone GPS Assisted GPS (aGPS)

DEVICE MANAGEMENT	
Remote management and configuration	Supports OMA-DM (Open Mobile Alliance Device Management)

VIDEO AND IMAGING	
Supported Formats	H.263, H.264, MPEG-4 SP, VP8, JPEG (.jpg), GIF (.gif), PNG (.png), BMP (.bmp), WebP (.webp) Formats supported for playback, streaming and recording
Supported File Types	3GPP (.3gp), MPEG-4 (.mp4), WebM (.webm), (.mkv)
Video Recording Quality	1080p HD up to 30 frames per second (fps)
Note: Video and images are time stamped for evidence documentation	

AUDIO	
Supported Formats	MP3, WAVE, AAC, AMR-NB, AMR-WB, FLAC, MIDI, Vorbis
Supported File Types	MP3 (.mp3), WAVE (.wav), 3GPP (.3gp), MPEG-4 (.mp4, m4a), ATDS raw AAC (.aac), MPEG-TS (.ts), FLAC (.flac), MIDI (.mid, .xm, .mxmf), RTTTL/RTX (.rtttl, rtx), OTA (.ota), iMelody (.imy), Ogg (.ogg), Matroska (.mkv)
Output	Dual 1 Watt Front-Facing Speakers, 106 dB Sound Pressure Level (SPL) 3.5 mm audio jack (stereo) Bluetooth (A2DP stereo)
Input	Triple Noise and Echo Cancelling Microphones

QUICK ACCESS LEATHER HOLSTER	
Dimensions (H x W x D)	5.7 x 3.5 x 2.0 in (145 x 90 x 50 mm)

HARDWARE	
Processor	2.3 GHz Qualcomm MSM8974AB Quad Core Processor
Display	4.7" 720X1280 Capacitive, touch screen
Memory	2 GB RAM 16 GB eMMC Expandable to 64GB with microSD™ card
Camera	Rear 8MP Camera Auto Focus High-Output LED Flash Digital Zoom Front 2MP Camera
Sensors	Proximity Sensor Ambient Light Sensor Accelerometer Sensor Barometer Sensor E-Compass
Ports	USB 2.0 High-Speed 3.5 mm Audio Jack (stereo) Accessory/Charging Port
Battery	Standard - 2280 mAh, 10 hours High Capacity - 4560 mAh, 20 hours

PHYSICAL	
Dimensions (H x W x D)	5.62 x 2.85 x .547 in 143 x 72.6 x13.9 mm
Weight	195 g including standard battery
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  IP67 (1 meter water immersion for 30 minutes)
Operating Temperature	14°F to 131°F (-10°C to +55°C)
Storage Temperature	-22°F to 149°F (-30°C to +65°C)

SOFTWARE	
Operating System	Android™ KitKat 4.4.4
User Interface	Public Safety Experience (PSX) Software
Messaging	SMS/MMS Email (Corporate Sync, POP3, IMAP, Push Email)
Web	Standard AOSP Browser

SECURITY	
Operating System	Security Enhanced Android OS with secure boot and application white listing
Hardware Encryption	CrypTr Micro SD Card FIPS 140-2 Level 3 AES 256 Bit Algorithm Over-the-Air Rekeying
Security Services	Mobile Virtual Private Network (VPN) Certificate management, identity management, key management, device management



**PRODUCT DATA SHEET**  
LEX L10 MISSION CRITICAL LTE HANDHELD

**GENERAL ACCESSORIES**

	Desktop Cradle	Impact-rated Vehicle Cradle
--	----------------	-----------------------------

**PHYSICAL**

Dimensions (H x W x D)	6.0 x 5.0 x 3.5 in	Z
(152 x 128 x 89 mm)	6.1 x 3.0 x 2.2 in	
(155 x 76 x 56 mm)		
Weight	12.8 oz (363 g)	4.8 oz (135 g)

**ENVIRONMENTAL SPECIFICATION**

Operating Temperature	32°F to 113°F (0°C to +45°C)	-4°F to 131°F (-20°C to +55°C)
Storage Temperature	-40° F to 158°F (-40°C to 70°C)	-40° F to 185°F (-40°C to +85°C)
Humidity	95% at 113°F (45°C) for 8 hours (non-condensing)	95% at 131°F (55°C) for 8 hours (non-condensing)

**DURABILITY**

Salt Fog	Yes	Yes
Vibration	Yes	Yes
Drop	Yes	Yes
Shock (Functional)	Yes	Yes
Shock (Crash Hazard)		Yes, MIL-STD-810G, 75G impact
ESD	Yes	Yes
Solar Radiation		Yes
Liquid Resistance	Yes	Yes

**SAFETY REGULATORY**

Electrical Safety	US: UL60950	US: UL60950
EMI/RFI	FCC part 15, Subpart B, Class B	
ANSI C63.4 2009	FCC part 15, Subpart B, Class B	
ANSI C63.4 2009		
Flammability	ANSI/UL-94 and ASTM Standards	ANSI/UL-94 and ASTM Standards

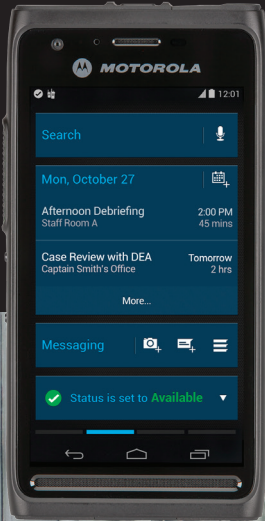
**ELECTRICAL**

Power Supply	External power supply input 100-240VAC output 5.0VDC 1.2A	12V-24V, 5.0VDC, 1.2A
Power Input	5.0 VDC, 1.2A	5.0 VDC, 1.2A
DC Output	5.0VDC	5.0VDC
Power On	With device insertion	With device insertion

**OPTIONAL ACCESSORIES**

Vehicle Ram® Mount Kit		
------------------------	--	--

Specifications subject to change.



# MOTOROLA LEX L10 MISSION CRITICAL LTE HANDHELD



For more information, please visit: [www.motorolasolutions.com/LEXL10](http://www.motorolasolutions.com/LEXL10)

Motorola Solutions, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2015 Motorola, Inc. All rights reserved. RC-26-1001

