MOTOROLA *SOLUTIONS*

LEX L11

MISSION-CRITICAL SMART DEVICE

MADE FOR THE MISSION AHEAD

WHEN HARDWARE, SOFTWARE, AND ACCESSORIES WORK SEAMLESSLY TOGETHER, THE RESULT IS A DEVICE THAT WORKS SEAMLESSLY FOR YOU.

Introducing the LEX L11 Mission-Critical Smart Device, designed with public safety users in mind. Every feature and function has been thoughtfully considered in this rugged device to make it easy to operate. It boasts loud and clear audio, intuitive operation, and long battery life.

Rugged and durable yet streamlined and slim, you can count on the LEX L11 to perform when it's needed most.

KEY FEATURES

INTUITIVE CONTROLS
- Dedicated push-to-talk button
- Dedicated emergency button
- Dedicated talkgroup rocker switch
- Two programmable buttons

HIGH QUALITY AUDIO PERFORMANCE
- Noise and echo cancellation
- Dual front facing loud speakers
- Howling suppression
- Holster with audio tunneling technology

ACCESSORIES SUITE
- Standard and high capacity battery options
- Field swappable battery
- Standard and fast charging cables
- Holsters, vehicle and desktop cradles, single and multi unit chargers and 3.5mm headsets

SECURE MOBILE PLATFORM
- Trusted boot
- Real-time device protection
- Data-at-rest (dar) and data-in-transit (dit) security
- Auditing and logging
- Supports secure device management

RADIO COLLABORATION
Radio Collaboration via Bluetooth® with Motorola Solutions APX™ radios
- Remotely control the radio's folders, channels, volume, and emergency button
- Use as a remote speaker microphone (RSM) for radio enabling voice over the LMR network
- Never miss a call - audio mix mode enables both RSM for LMR and cellular voice to be heard at the same time

COMPATIBLE WITH BROADBAND PTT APPLICATION
Supports Motorola Solutions' Broadband PTT applications with:
- Enhanced Noise Suppression and optimised loudness
- Meets 3GPP MCPTT standard KPI's[1]
- Full control using the LEX L11's physical buttons

PERFORMS EVEN IN THE HARSHEST ENVIRONMENTS
- MIL-STD-810G for Drop and Shock
- IP-67 rated

GENERAL SPECIFICATIONS

CONNECTIVITY

LTE Bands[2]:	**NA:** 2, 4, 5, 7, 12, 13, 14, 25, 26, 29, 30, 66 **EMEA:** 1, 3, 7, 8, 20, 28, 38, 39, 40 **APAC & LA:** 1, 2, 3, 4, 5, 7, 8, 19, 26, 28, 38, 40, 41 **GSM:** 850 MHz, 900 MHz, 1800 MHz, 1900 MHz **UMTS:** 2100 MHz, 1900 Mhz, 1700 MHz, 900 MHz, 850 MHz
Carrier Certifications[3]	Certified for use on many international carriers around the world
Bluetooth	Bluetooth 5.0
GPS	Standalone GPS, Assisted GPS (aGPS), GLONASS
NFC	Reader/Writer mode Peer-to-Peer mode Card emulation mode UICC SE is supported for card emulation mode
Wi-Fi - Operating Band	2.4 GHz, 5 GHz
Wi-Fi - Standards	802.11 a/b/g/n/ac/k/r
3GPP Rel	12+ compliant
MC PTT QCI Support	QCI-65 (MC Voice), QCI-66 (Non-MC Voice), QCI-69 (MC signaling) and QCI-70 (MC data) QCI-67 (MC Video) supported, but with QCI 5 or 9 parameters
eMBMS	Supported from Release R3.2

BATTERY

Capacity	Field swappable IMPRES 2 Standard Capacity - 2,500 mAH High-Capacity - 5,000 mAH
Battery Life	Standard Capacity - 10 hours High-Capacity - 20 hours

PHYSICAL

Dimensions (H x W x D).With Standard Battery	6.00 x 3.07 x 0.51 inch (152.5mm x 78mm x 13.2mm)
Dimensions (H x W x D). With High-Capacity Battery	6.00 x 3.07 x 0.75 inch (152.5mm x 78mm x 19.2mm)
Weight. With Standard Battery	9.17 oz (260 g)
Weight. With High-Capacity Battery	10.93 oz (310 g)

AUDIO

Input	Three microphones for superior noise suppression and echo cancellation
Output	112 dBSPL at 5cm 98 dBphon at 30cm
Audio Formats	PCM, AAC/AAC+/eAAC+. WMA, WMA Lossless, WMAPro 10, AMR NB/WB, FLAC, ALAC, Vorbis, APE, AC3, eAC3, Non Native DSD

SECURITY

Root Detection	Included
Multi-Factor Authentication	Configurable
Remote Configuration	Trusted 3rd Party Provided
OTA Firmware and Software Upgrades	Trusted 3rd Party Provided
Allowed Application List	Trusted 3rd Party Provided
Over-the-Air Wipe and Lock	Trusted 3rd Party Provided
Real-Time Integrity Monitoring	Included
Malware Blocking	Included, with zero day attack protection
Resource Management[3]	Configurable (including Applications, Wi-Fi, Bluetooth®, Camera)
Certification	DISA STIG, Common Criteria (NIAP/CSfC)

RUGGEDNESS

Operating Temperature	-4°F to 131°F (-20°C to 55°C) (Battery charges between 32°F to 113°F (0 to 45°C) Low Temperature Operational per MIL STD 810G, Method 502.5, Procedure II, High Temperature Operational per MIL STD 810G, Method 501.5, Procedure II
Storage Temperature	-50.8°F to 185°F (-46°C to +85°C) Low Temperature Storage per MIL STD 810G, Method 502.5, Procedure I / C3, High Temperature Storage per MIL STD 810G, Method 501.5, Procedure I, Cycle A1
Temperature Shock	MIL STD 810G, Method 503.5, Procedure I-C -34.6°F to 159.8 °F (-37°C to +71°C)
Mechanical Shock	MIL STD 810G, Method 516.6, Procedure I (functional)
Drop	MIL-STD-810G 4ft on smooth concrete at 77°F (25°C)
Salt fog	MIL STD 810G, Method 509.5
Solar Radiation	MIL STD 810G, Method 505.5, Procedure I
Random Vibration	MIL STD 810G, Method 514.6, Cat. 4 Random, Figure 514.6C-1. (HARD MOUNT)
Shock (Crash Hazard)	MIL STD 810G, Method 516.6, Procedure V
Humidity	MIL STD 810D Procedure I ,Table 507.2-I MIL STD 810G, Method 507.5, Procedure II
Dust Resistance & Water Immersion	IEC 60529 IP67, with installed battery
ESD	IEC 61000-4-2, Level 4. (+/-15kV air, +/-8kV contact)
Ball Impact	Chrome steel ball 4.5 oz (130g, 1.25" diameter), 19 inch (50 cm) on the display

HARDWARE

Display	5.0" (127mm) 1280 x 720 Capacitive, touch-screen with Corning® Gorilla® Glass
Memory	4 GB RAM 64 GB Internal Storage Storage is expandable with external 400 GB microSD™ card
Camera	Rear 13 MP Auto Focus High-Output LED Flash Digital Zoom Front 8 MP
Sensor Platform	Fingerprint Sensor Proximity Sensor with Gesture Sensor Ambient Light Sensor Accelerometer Barometer Gyroscope E-Compass
Ports	USB-C 3.5mm audio (stereo)
Mission Critical Buttons	Dedicated PTT Button Dedicated Emergency Button Talkgroup Rocker Switch 2 Programmable Buttons Power Button Volume (Up / Down) Buttons
SIM	Dual Nano Sim
Charging	Qualcomm Quick Charge (with Quick Charge Wall Adapter) via USB-C

SOFTWARE

Operating System	Android™ 11
Google Mobility Services	Enabled
Google Approvals	Android Enterprise Recommended (Includes Zero Touch Enrollment)

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	4K (UHD) at 30 fps 1080p (FHD) at 60 fps

For more information, please visit **www.motorolasolutions.com/LEXL11**

MOTOROLA SOLUTIONS