Brochure

LEX L30 Mission-critical smartphone

Smartphone versatility meets radio reliability



MOTOROLA SOLUTIONS



Engineered for the reality of the frontline

As governments and public safety agencies adopt broadband for mission-critical communications under the 3GPP mission-critical services (MCX) framework, frontline personnel expect the same reliability, durability, and intuitive operation as proven Land Mobile Radio (LMR) platforms.

Public safety personnel work in high-stress environments where communication is a lifeline—demanding purpose-built ergonomics, dedicated physical controls, clear audio, and uncompromising data security. However, managing standard smartphones within a public-safety enterprise introduces significant operational risks, and when lives are on the line, responders cannot accept any performance degradation.

The LEX L30 mission-critical smartphone bridges this gap, neutralising operational risks so your agency can focus on the mission.

The impact by the numbers

Mission-critical reliability: Consumer smartphones suffer ~20% annual failure rates in frontline environments—failing up to 3x more often than purpose-built mission-critical hardware (<4% failure rate).

Source: VDC Research Global Market
for Rugged Handheld Computers & Smartphones

Smartphone versatility meets radio reliability

Engineered for operating conditions standard commercial devices were never designed to handle, the LEX L30 delivers dedicated physical controls and mission-ready intelligence directly into the hands of responders. High-output PTT audio, covert mode operation, seamless WAVE PTX capabilities, and automated Fall Alert ensure officers stay connected and situational awareness remains uncompromised.

The device integrates cleanly into your existing operational infrastructure, leveraging proven radio accessories and hardware-anchored encryption to protect critical data. Built on enterprise Android™ with comprehensive mobile device management (MDM) controls, the LEX L30 balances fleet flexibility with strict administrative oversight—reinforced by a guaranteed five-year lifecycle designed for long-term operational resilience.







Empowering the frontline

Transition to MCX without compromise

Prepare your team for the future of mission-critical communications without giving up what they rely on every day. With WAVE PTX integration, your personnel get the instant, seamless interoperability they need, bridging broadband capabilities directly with traditional land mobile radio (LMR) experience.

Mission-critical controls

Physical PTT buttons and tactile channel/volume knobs allow the device to be operated by feel alone, keeping focus entirely on the scene.

Mission-critical durability

Tested at certified laboratories across 17 MIL-STD-810H benchmarks, this device features IP68 water immersion protection (2 metres for 2 hours), ETSI certifications, and a Gorilla Glass Victus display to withstand the harshest field environments.

Uninterrupted connectivity

Flexible physical Nano-SIM and eSIM setups deliver continuous coverage across 5G SA/NSA, 4G LTE, Wi-Fi 6E, private LTE, and public carrier networks, backed by GCF certification, eMBMS, and 3GPP Release 16 compliance.

MCX & WAVE PTX optimisation

Android™ GMS certified device tailored for WAVE PTX or third-party MCX applications, delivering instant group voice, live video streaming, real-time location sharing, text messaging, rich multimedia communication and much more.

Full shift ready

Swappable 4950 mAh battery eliminates downtime, optimised software performance ensuring seamless power across long, demanding shifts.

Built-in safety

A dedicated emergency button, covert mode operation setting, and Fall Alert detection automatically summon help from a dispatcher when personnel are incapacitated or unable to speak.



Focus on the mission

Hear and be heard when it matters most

When chaos surrounds your frontline, communication cannot be compromised by sirens, traffic, or howling wind. Empower your patrol teams to maintain situational awareness with high-powered audio and advanced AI noise cancellation that actively filters complex background noise.

Unmatched audio output

Dual front-facing two-watt speakers delivering 100 dB phon at 30 cm audio produce loud, crystal-clear PTT transmissions without distortion, ensuring critical communications are never missed in the field.

Intelligent suppression

Powered by a three-microphone spatial array, a locally trained AI noise suppression model automatically strips away background interference without recording or uploading user data, while built-in howling suppression eliminates acoustic feedback.

Broad audio accessory offering

Powered by a secure, mini GCAI (Global Core Accessory Interface) connector, the LEX L30 integrates seamlessly with a comprehensive range of professional RSMs and earpieces, maintaining clear, reliable communications.

Safeguard critical data

Protect your agency networks with hardened hardware security

When your agency handles sensitive operations, security cannot be an afterthought. Protect your mission-critical data against sophisticated cyber threats and physical extraction attempts with multi-layered, hardened hardware security designed for modern public safety and enterprise networks.

Hardware boot integrity

Verified Boot cryptographically checks system software during startup to ensure the device is running untainted, manufacturer-signed code that hasn't been tampered with.

Hardware-backed keystore

Sensitive cryptographic keys remain isolated inside a physically separated secure environment (TEE), keeping them protected from main OS vulnerabilities.

File-based encryption

Advanced hardware accelerated encryption scrambles all user data at rest on disk immediately upon locking the device.

Application isolation and access control

Applications run inside isolated sandboxes with distinct User IDs (UIDs), while SELinux enforces kernel-level access controls to block compromised apps from accessing forbidden system resources.

Encrypted network transit

Enforces modern WPA3 enterprise Wi-Fi protocols, mandatory TLS encryption, and secure VPN routing to protect mission-critical data in transit across public and private networks.

Proactive threat mitigation

Google Play Protect actively scans device apps and runtime behaviors to detect, block, and disable emerging cyber threats in real time.



Total fleet visibility & control

Deploy, update, and manage devices with ease

When managing a growing mobile workforce, IT bottlenecks can drain valuable resources and slow down operations. Streamline your deployment workflows and maintain complete administrative oversight across your entire agency with Google Mobility Services and Android MDM integration.

Flexible enterprise deployment

Google Mobility Services (GMS) provides seamless access to Google Play, enabling fast, familiar Android MDM enrollment, app distribution, and silent updates.

Granular device customisation

LEX OEMConfig software unlocks over-the-air control over device-specific, mission-critical features and security policies, tailoring every setting to your agency's exact standards.

Simple management

Centralised configuration dashboards minimise hands-on device provisioning, keeping your fleet updated, secure, and ready for the field with minimal administrative drag.



Future-proof your investment

Protect agency budgets with dedicated support

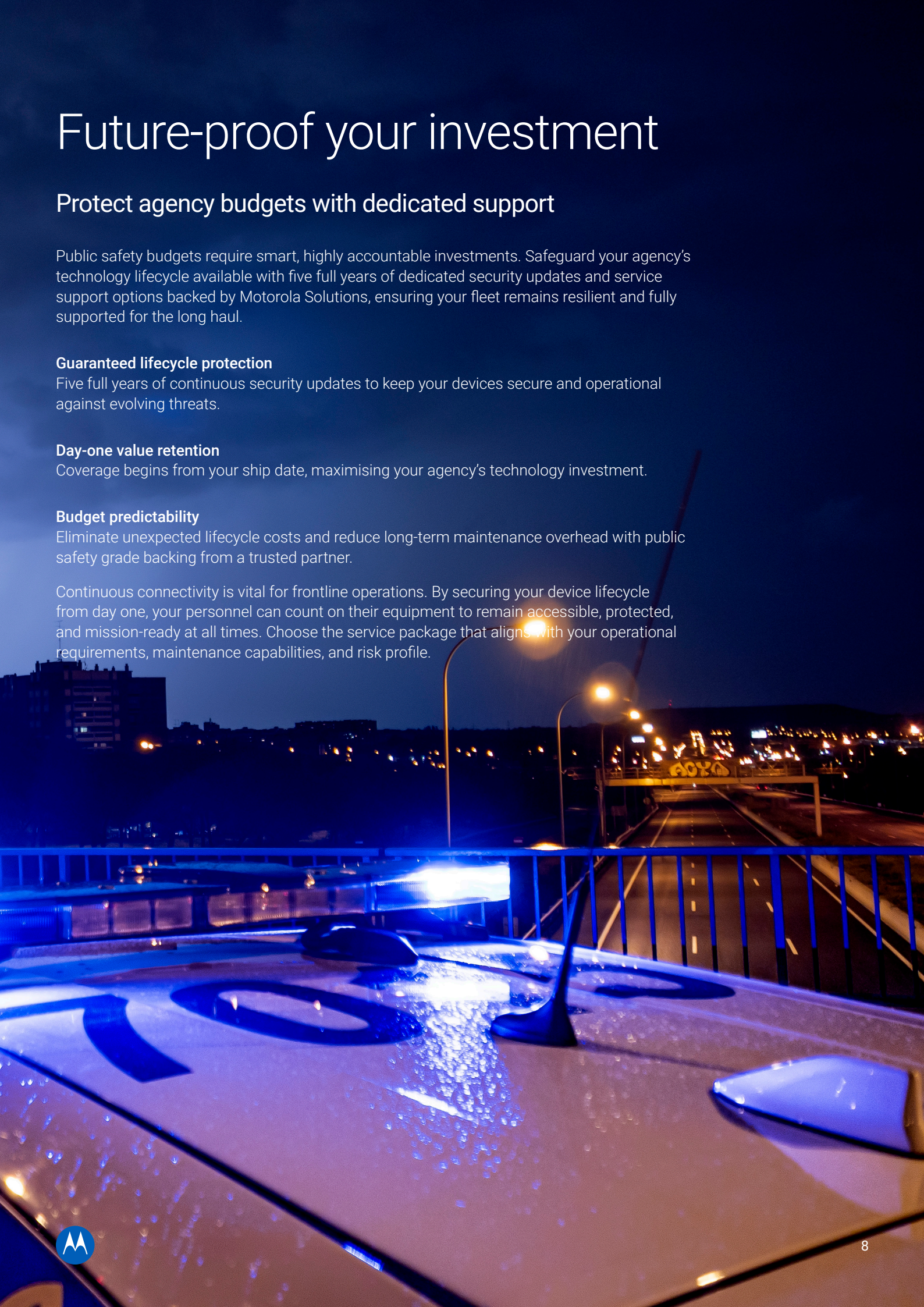
Public safety budgets require smart, highly accountable investments. Safeguard your agency's technology lifecycle available with five full years of dedicated security updates and service support options backed by Motorola Solutions, ensuring your fleet remains resilient and fully supported for the long haul.

Guaranteed lifecycle protection
Five full years of continuous security updates to keep your devices secure and operational against evolving threats.

Day-one value retention
Coverage begins from your ship date, maximising your agency's technology investment.

Budget predictability
Eliminate unexpected lifecycle costs and reduce long-term maintenance overhead with public safety grade backing from a trusted partner.

Continuous connectivity is vital for frontline operations. By securing your device lifecycle from day one, your personnel can count on their equipment to remain accessible, protected, and mission-ready at all times. Choose the service package that aligns with your operational requirements, maintenance capabilities, and risk profile.



Service packages

Achieve mission-critical performance

Service desk and technical support

Our experienced technologists are available to help isolate and resolve issues by offering over-the-phone service desk technical consultation. With an extensive knowledge base, trained and certified technical engineers, this team provides prompt resolution to your technical device issues. At Motorola Solutions, we understand the importance of maintaining the fleet to its optimal performance. That's why we apply industry leading standards to record, monitor, escalate and report technical service calls from our customers.

Accidental damage[1]

Devices are protected from accidental breakage, chemical or liquid spills and physical damage. This service covers displays, screens, frames, covers, crushed components, shields, and circuit boards. While our devices are built for superior performance, accidents happen. If required, we offer extended accidental damage coverage and support that includes repair and restoration of the device back to your original factory specifications and a quick turnaround of the device back to you.

Hardware repair[1]

Hardware Repair services extend beyond the standard Hardware Warranty of 12 months duration and also provides faster turnaround times. With state-of-the-art diagnostic equipment, repair tools and replacement parts, your device fleet components are protected in the event of an unexpected failure and are back in operation as soon as possible. When serviced, all radios are returned to you with original factory specifications and updated with the latest firmware. Plus, our service centres are certified to comply with ISO 9001, ISO 14000, ATEX, IECEx and TIA ensuring the highest quality repairs.



Hardware warranty

Devices come with a 12 months standard hardware warranty providing cover for manufacturing defects.

The impact by the numbers

5-Year Investment Value: Replacing consumer devices every 1–3 years increases 5-year TCO by up to 50% compared to hardware with a guaranteed 5-year lifecycle.

Source: VDC Research Global Market for Rugged Handheld Computers & Smartphones

	Essential with accidental damage	Essential	Essential software
Accidental damage	✓		
Hardware repair	✓	✓	
Hardware warranty	✓	✓	✓
Service desk	✓	✓	✓
Technical support	✓	✓	✓
Software maintenance	✓	✓	✓

[1] One-way shipping is included with this capability.



To learn more, visit:
motorolasolutions.com/LEXL30

MOTOROLA SOLUTIONS

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