



LXN 500 LTE ULTRA PORTABLE INFRASTRUCTURE

DELIVER REAL-TIME INFORMATION
ANYWHERE. ANYTIME.

DATA SHEET | LXN 500 LTE



MOTOROLA SOLUTIONS

TAKE THE LTE NETWORK WITH YOU AND BE READY FOR WHAT'S HAPPENING NOW AND WHATEVER COMES NEXT

Your around-the-clock, 24x7x365 operations demand continuous and ubiquitous high-speed PS LTE coverage, yet traditional LTE sites can't reach everywhere you need to be. Inadequate capacity, coverage gaps and lack of network prioritization can weaken your personnel's overall efficiency and safety. Motorola Solutions' LXN 500 LTE Ultra Portable Infrastructure is an easy-to-carry, miniaturized, full power site that fits in a briefcase or backpack so you can bring the broadband network with you or install it at a fixed location. Our smallest, lightest and fully functional LTE network is built on a platform that combines an eNodeB (eNB) and Evolved Packet Core (EPC) and scales up to 100 subscribers. With an activation duration of approximately five minutes, you will instantly get the secure LTE coverage and capacity you need – anywhere, anytime.



KEY BENEFITS

- All in one LTE network with eNB, EPC and applications
- Lightweight for easy portability
- Extend range and performance with roof-mounted external antennas with Multiple-In-Multiple-Out (MIMO) configuration
- Built-in GPS enhances personnel safety and route optimization
- Solid-state, ruggedized design withstands heat, cold, rain, humidity, dust and vibration

DATA SHEET | LXN 500 LTE

ALL-IN-ONE SYSTEM

Full power LTE system with eNodeB, Evolved Packet Core, and optional applications.

APPLICATION HOSTING

Optional standalone application server can host applications locally for situations where backhaul cannot be established.

COVERAGE AND CAPACITY

Create an on-demand LTE bubble up to one kilometer for up to 100 subscribers.

DESIGNED FOR HARSH ENVIRONMENTS

The IP54-rated solid-state, fanless, ruggedized design withstands heat, cold, rain, humidity, dust and vibration.

FAST AND EASY SET UP

Power on and create an almost instant LTE network for you and your team. In-service time is possible less than 5 minutes from power on.

INFORMATION ACCESS

Coverage and capacity on demand delivers critical video and other rich media application information at the point of engagement.

MINIATURIZED AND PORTABLE

The compact size is perfectly suited for bringing the network with you to establish LTE broadband connectivity anytime, anywhere.

VERSATILITY

Deploy a variety of form factors - backpack, tactical case, vehicular or fixed.

ESSENTIAL SERVICES

Provides access to technical support resources for troubleshooting and maintenance, plus system and application software updates and upgrades.

SPECIFICATIONS

4G LTE

Release	3GPP Release 10
Band Class*	<ul style="list-style-type: none"> • Band 14 FCC Certified (North America) • Band 20 CE Certified (EMEA) • Band 26 Enabled (Asia Pacific) • Band 28b CE Certified (EMEA) <p>*Single band supported per each LXN 500.</p>
Output Power	2x30 dBm effective radiated power (ERP) 2x1 W
Bandwidth	5 MHz, 10 MHz, 20 Mhz

CONNECTIVITY

Wi-Fi Connectivity	802.11b/g/n 2.4 GHz Device can act as access point or client 164 ft (50 m) line-of-sight
Wired Connectivity	2 Ethernet ports (10/100 Mbps, RJ-45) 2 USB 3.0 port
WLAN Security	WPA, WPA 2, WPA-PSK and WPA-EAP
GPS	Autonomous GPS, 1 external antenna Supports NMEA, TAIP-PV

MANAGEMENT AND SUPPORT

Field-upgradable	Via USB/WiFi/Ethernet
Regulatory	CE and FCC

NEMA AND MOBILE MILITARY STANDARDS

Ingress Protection	IP54
Mechanical Shock	MIL-STD-810G method 516.6 Proc. I, Functional, Saw tooth pulse 40g
Functional Vibration	MIL-STD-810G Method 514.6, category 4, Fig. 514.6C-3
Solar Radiation	MIL-STD-810G method 505.5 Proc. I, curves W and A2
Low Pressure (Altitude)	MIL-STD-810G method 500.5 Proc. I (Storage/Air transport) Altitude 15000 feet

PHYSICAL CHARACTERISTICS

Dimensions	Height: 4.6 in (119 mm)
	Width: 9.2 in (231 mm)
	Length: 11.6 in (295 mm)
Weight	12 lbs (5.4 Kg)



POWER

Power	9.0 - 33.0 VDC
Max Power Consumption	70 Watts

ENVIRONMENTAL AND WARRANTY

Operating Temperature	-22°F to 140°F (-20°C to 60°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Warranty and Service	One year limited warranty

SERVICE AND SUPPORT

Essential Services provides:

- 24x7x365 Remote Technical Support from our Solutions Support Center.
- Software Updates - to safeguard your broadband system from vulnerabilities and improve network performance.
- Software Upgrades - to our latest integrated system software release with the latest features, functionalities and enhancements.
- Hardware Repair - for the LXN 500 at authorized repair facilities.

Onsite Support** is:

- An enhanced optional service, at additional cost.
- Required for LXN 500 systems that cannot remotely connect to our Technical Support Operations (TSO) Centers.

Optional

** Onsite Support refers to technical assistance that is offered at your various locations. If onsite support is not possible because of the location of your LXN 500 (e.g., extreme terrain, weather conditions, etc.) we will work with you to send your unit to a central location for troubleshooting.



To learn more about our Public Safety LTE Solutions, visit motorolasolutions.com/publicsafetylte



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. motorolasolutions.com

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. © 2018 Motorola Solutions, Inc. All rights reserved. 04-2018