



# 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 WHAT COULD HAPPEN NEXT

Your around the clock, 24x7x365 mission critical 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 negatively impact your personnel's overall efficiency and safety. LXN 500 LTE Ultra Portable Infrastructure from Motorola Solutions 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 for fixed locations. 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 activation timeframes possible of less than 5 minutes, you quickly deliver 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. Battery allows deployment in the field and protection from power interruptions.
- 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
- Supports geo-fencing: Location-aware selection of Wi-Fi, 3G or 4G network

Design and specifications likely to change without notice. All specifications shown are typical. This equipment pre-production and is subject to FCC rules. It will comply with the appropriate FCC rules before delivery to the buyer or to centers of distribution

## ALL-IN-ONE SYSTEM

Full power LTE system with eNB+EPC+APPs (optional)

## APPLICATION HOSTING

Optional standalone capability hosts applications locally for situations where backhaul cannot be established.

## COVERAGE AND CAPACITY

Create an LTE bubble up to 1km on demand and host 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

Seconds can make all the difference. Power on and create an almost instant PS 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 miniaturized form factor is perfectly suited for bringing the network with you to establish LTE broadband connectivity anytime, anywhere.

## VERSATILITY

Deploy a variety of form factors ranging from backpack, tactical case, vehicular or fixed. Let your imagination decide where and when you will use it.

# SPECIFICATIONS

## 4G LTE

Release	3GPP Release 10
Band Class*	<ul style="list-style-type: none"> <li>• Band 14 FCC Certified</li> <li>• Band 20 CE Certified</li> <li>• Band 26 Enabled</li> <li>• Band 28b CE Certified</li> </ul> Single band supported per each LXN 500
Output Power	30 dBm effective radiated power (ERP) 2w
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 Up to 6 Wi-Fi devices 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

## 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

## 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 Peak Consumption	65 Watts

## BODYWORN



## TACTICAL CASE



## VEHICULAR



## IN-BUILDING





