



LXN 505 ULTRA PORTABLE LTE SOLUTION

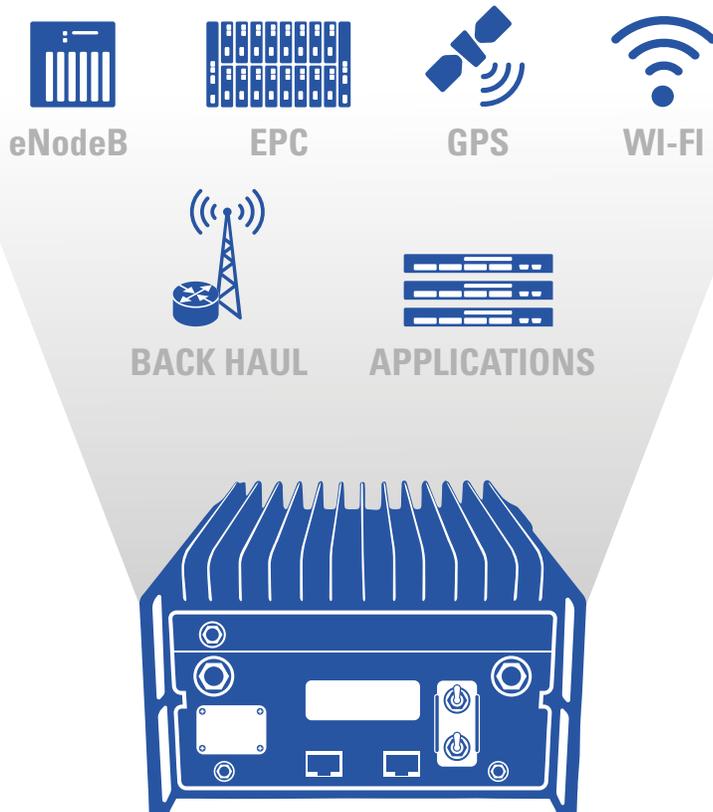
DELIVER REAL-TIME INFORMATION ANYWHERE. ANYTIME.



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 dedicated 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. For certain operations you may also want extra capacity or need your own dedicated LTE coverage area.

Motorola Solutions' LXN 505 is a complete Ultra Portable mobile LTE system that combines an eNodeB (eNB) and Evolved Packet Core (EPC) along with optional applications. It has a radius of up to 2.5 kilometers¹ and scales up to 100 subscribers. The LXN 505 is easy-to-carry and fits in a pelicase or backpack, so you can bring the broadband network with you. Alternatively, you can mount it on a vehicle or a pole. With a start-up time of approximately five minutes, you will get the secure LTE coverage and capacity you need – anywhere², anytime.



¹ Up to 2.5Km at 5 Watts maximum output based on ideal terrain.

² Licenced spectrum is required.

ALL-IN-ONE SYSTEM

Ultra Portable LTE system with eNodeB, Evolved Packet Core, and optional applications.

APPLICATION HOSTING

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

COVERAGE AND CAPACITY

Create an on-demand LTE bubble up to 2.5 Kilometers¹ radius for up to 100 subscribers.

DESIGNED FOR HARSH ENVIRONMENTS

The IP65 solid-state, fanless, ruggedised design withstands heat, cold, rain, humidity, dust and vibration.

FAST AND EASY SET UP

Create an almost instant LTE network for you and your team. From power on - to operational in under 5 minutes.

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 pelicase, vehicular or fixed to a pole or building.

WARRANTY SUPPORT

Provides access to technical support resources for troubleshooting and maintenance, hardware repair, plus system and application software updates and upgrades for 12 months.

THE LXN 505 DELIVERS SECURE LTE COVERAGE WHERE YOU NEED IT:



REMOTE FOREST FIRE



SPORTING EVENTS



MULTI-AGENCY RESPONSE



OPEN FIELDS



DISASTER



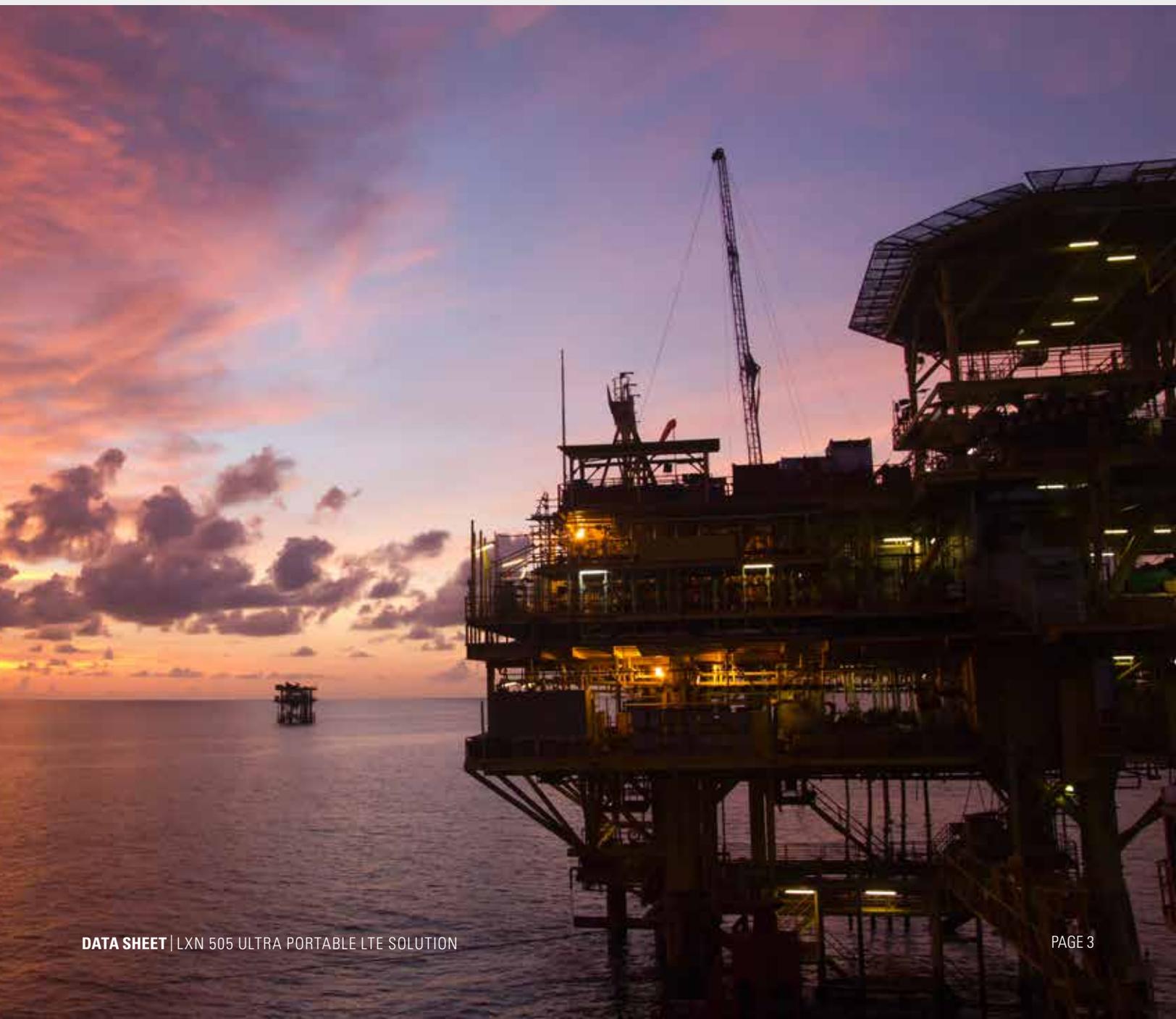
GAP COVERAGE



DEDICATED NETWORK

KEY BENEFITS

- All-in-one compact, lightweight, portable LTE network with eNodeB, Evolved Packet Core and optional applications for up to 100 users
- LTE bubble coverage for voice, video and data communication - without the need for backhaul
- Easy to deploy, set up, and be operational in minutes
- Supports versatile use cases: backpack, vehicle mounted, pole mounted or in-building
- Ruggedized design withstands heat, cold, rain, humidity, dust and vibration



SPECIFICATIONS

4G LTE

Release	3GPP Release 10 (compliant with elements of Release 11 and Release 13)
Output Power and Band Class ³	1W/30dBm 2x2 MIMO: 1, 2, 3, 4, 5, 7, 8, 13, 14, 17, 20 and 28 2W/33dBm 2x2 MIMO: 1, 2, 3, and 4 5W/37dBm 2x2 MIMO: 14 and 28 Supports broadcast of multiple PLMN IDs
Bandwidth ⁴	3 MHz, 5 MHz, 10 MHz, 20 MHz Throughput upto 70/30 Mbps DL/UL ⁴
Subscribers	Up to 100
Range (radius)	Up to 2.5 Km

CONNECTIVITY

Wi-Fi Connectivity	802.11b/g/n 2.4 GHz Device can act as access point or client
Wired Connectivity	2 Ethernet ports x 1 Gbps
WLAN Security	WPA, WPA 2, WPA-PSK and WPA-EAP
GPS	Autonomous GPS, 1 external antenna
Ports	Diversity LTE antenna Ethernet - Network backhaul Ethernet - OAM External GPS antenna External LTE backhaul antenna
Optional Backhaul	Commercial cellular 4G LTE modem slot and antenna port

MANAGEMENT AND SUPPORT

Field-upgradable Via disk-on-key/WiFi/Ethernet

NEMA AND MOBILE MILITARY STANDARDS

Ingress Protection	IP65
Humidity	MIL-STD-810G method 507.5
Mechanical Shock	MIL-STD-810G method 516.6
Functional Vibration	MIL-STD-810G Method 514.6
Low Pressure (Altitude)	MIL-STD-810G method 500.5
Transient Protection	MIL-STD-1275D

PHYSICAL CHARACTERISTICS

Base Configuration	Dimensions: Height: 134.5 mm, Width: 188 mm, Length: 201 mm Weight: 5.0 Kg (plus battery 1.44 Kg)
Backpack with Battery Box	Milled aluminum construction with fan-less cooling Dimensions: Height: 134.5 mm, Width: 205.7 mm, Length: 352.8 mm Weight: 7.1 Kg (plus battery 1.44 Kg)

POWER

Power	Input 10 – 36 VDC (14 – 36 VDC through battery box connector)
Maximum Power Consumption	96 Watts

BATTERY

Battery Life (Battery life is load dependent)	3.5 hour battery operation at 70% Tx 6 hour battery operation with dual batteries at 70% Tx
Hot swap capability	Single battery hot swap

ENVIRONMENTAL

Operating Temperature	-20°C to 49°C
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WARRANTY

12 month Hardware and Software warranty	<ul style="list-style-type: none">• 8x5 Remote Technical Support from our Solutions Support Center (North America, Central Standard Time)• Software Updates - to safeguard your broadband system from vulnerabilities and improve network performance• Software Upgrades - to the latest integrated system software release• Hardware Repair - for the LXN 505 at authorized repair facilities
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OPTIONAL APPLICATIONS

Broadband Push To Talk

This application enables push-to-talk (PTT) communication for up to 50 users using your broadband devices, so that critical, time-sensitive information flows quickly and securely between your teams.

Team Collaboration Application

This in-field interactive collaboration and real-time information-sharing tool can be used to rapidly establish and manage response teams. You can share intelligence in real-time with individuals or across agencies, either in response to an incident or in everyday operations.

³Single Band supported per each LXN 505

⁴This is Band dependent and specified at order time. For example, Band 14 supports 5 and 10 MHz while Band 28 supports 3, 5 and 10 MHz.

To learn more about our Public Safety LTE Solutions, visit:

https://www.motorolasolutions.com/en_xl/solutions.html



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