Mining Communications:
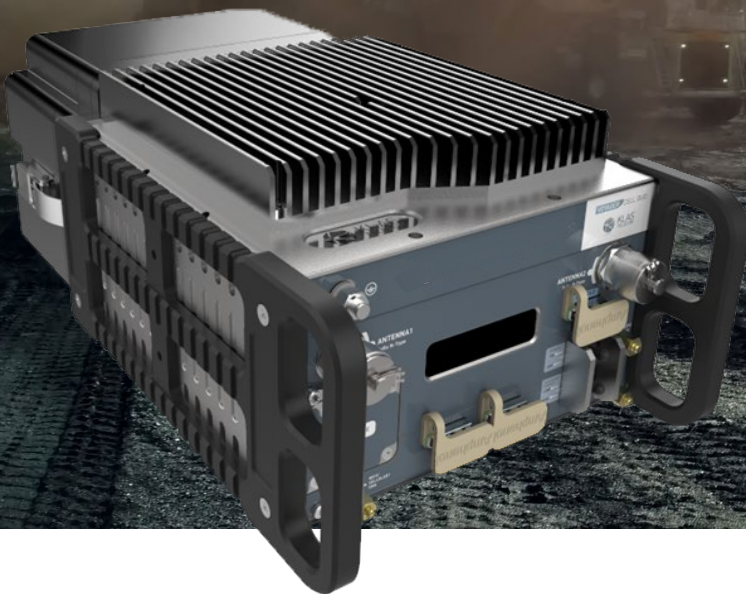
Tactical LTE & Radio Kits

**No Network?
Carry One with You.**

**SME 2019 – Booth #1124
Denver, Colorado**

MOTOROLA *SOLUTIONS*

LTE RADIO KITS

Kit A1 - LXN505 Ultra Portable LTE Kit

Your operations demand continuous high speed broadband coverage, yet you are underground or out of coverage. The LXN 505 LTE Ultra Portable Infrastructure is our smallest, lightest broadband network. You bring the network with you to quickly deliver the secure LTE coverage and capacity you need:

- LXN505
- 10 LEX L11
- 2 Sierra Wireless
- DragonForce
- Wave Tactical
- TRX Neon

Kit A2 - Underground/Indoor Location LTE Kit

3D mapping, location and tracking data for personnel operating in GPS-denied environments to provide improved situational awareness and safety for users:

- TRX Neon Indoor Location

Kit A3 - Modem LTE Kit

Vehicle modems for LTE – multifunction.

- Sierra Wireless Vehicle Modems
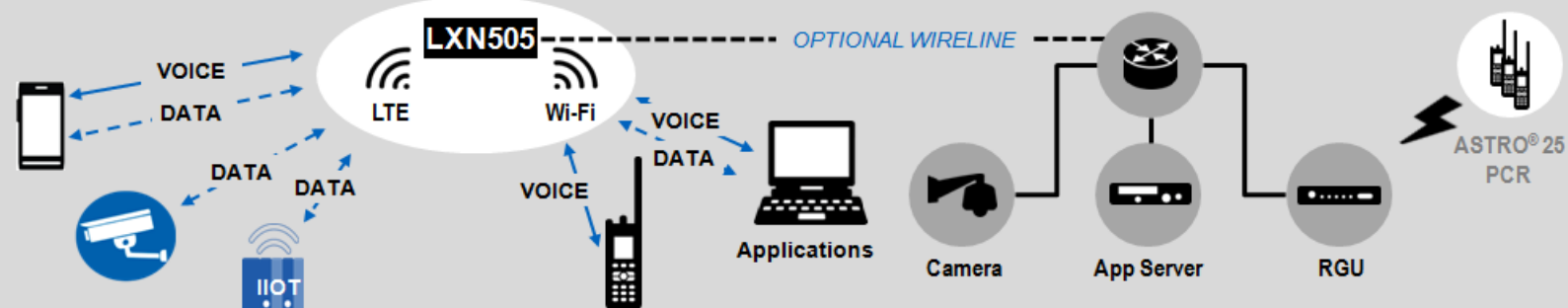
Kit A4 - LEX L11 Smartphone Kit

IP-X7 waterproof and rugged Smartphone with operation in high noise areas expected:

- LEX L11

LEX L11 Smartphone:

- Intuitive Controls
- Dedicated Buttons
- Best In Class Audio
- Howling Suppression
- Rugged: IP67, Mil Std 810g
- APX Collaboration
- Security And Integrity Monitoring
- Field Swappable Battery
- High Cap Battery Option
- Holster With Audio Tunneling

AVIGILON VIDEO KITS

Kit B1 - Video Analytics Kit

Adds analytic capability to new or existing analog, thermal and IP cameras. Avigilon Appearance Search™ technology helps you to quickly find a person or vehicle of interest.:

- AI Appliance

Kit B2 - Low Light Video Kit

Detects the movement of people, vehicles and partly-camouflaged objects in complete darkness or areas with challenging light conditions:

- H4 Thermal Line

Kit B3 - Wireless Kit

Avigilon's High Definition Stream Management (HDSM)™ and HDSM SmartCodec™ technologies reduce bandwidth and storage needs while maintaining image quality.

- LTE modem

Kit B4 - Access Control Kit

100% browser based, with two offerings: Access Control Manager (ACM)™, and an entry-level system, ACM Embedded Controller.™

Kit B5 - Remote Security Kit

Provides an all-in-one intelligent surveillance solution that is perfect for remote locations and records video directly to an onboard solid-state drive:

- H4 Edge Solution

Kit B6 - Presence Detector Kit

Using sophisticated radar analytics technology, the APD helps to solve the challenge of accurate human presence detection in underground areas where traditional devices may be limited. Detects human life up to 9 meters away:

- Presence Detector

SECURITY SOLUTIONS:

Theft prevention, dormant mines, lone security officer safety, remote facility monitoring - Have your **security team** contact Motorola Solutions.
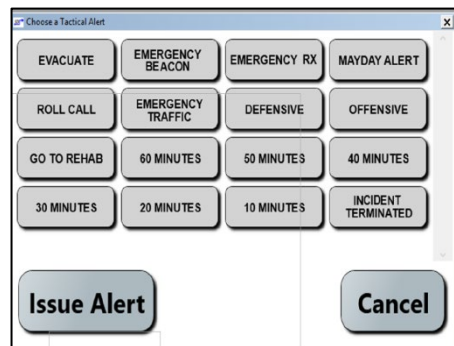

LTE ULTRA PORTABLE

LXN505

OPTIONAL WIRELINE

VOICE DATA — LTE — Wi-Fi — VOICE DATA

DATA — DATA — VOICE — VOICE DATA

Applications — Camera — App Server — RGU

ASTRO® 25 PCR

VOICE

IIOT

REMOTE MINE SOLUTION

ACC SOFTWARE — SOLID STATE DRIVE STORAGE — H4 PLATFORM

BUILT-IN

ADD VIDEO ANALYTICS

GET MORE OUT OF YOUR **EXISTING** CAMERA SYSTEM

AI APPLIANCE

ACC SOFTWARE

ASTRO® 25 RADIO KITS

Kit C1 - **Personnel Accountability Kit**
Allows a team lead to instantly send an audio / visual alert to every member on the talkgroup simultaneously and to account for personnel quickly without using a voice channel.
- APX Radios
- Personnel Accountability Software

Kit C2 - **PDR800 Repeater Kit**
Set up the PDR8000 suitcase repeater on scene to swiftly provide local P25 or analog FM radio service:
- PDR800
- APX or XPR Radios

Kit C3 - **SI500 / SI200 / Vault Video Kit**
A body-worn camera & CommandCentral Vault digital evidence management software make securely capturing, storing, analyzing and sharing critical video simplified and seamless.:
- SI500 / SI200 + Vault Software

Kit C4 - **ASTRO® 25 Portable Kit**
Direct Conventional operation with the best in class APX portable radios offers tactical teams the ultimate in rugged, clear, and reliable communications:
- APX6000XE Green Portable Radios
- XE500 Green RSM

Kit C5 - **ASTRO® 25 Coverage Extender Kit**
P25 DVRS-equipped vehicle or suitcase extends coverage in mine pits or underground:
- DVRS or VRX1000

Kit C6 - **ASTRO® 25 ACE SCADA Kit**
Water levels, ventilation, sirens, safety systems – when you are working a mine without infrastructure you can work safely on the fly:
- ACE1000 (Store and Fwd.)
- APX Portable
- Or MCEDGE

DIRECT CONVENTIONAL

REPEATED CONVENTIONAL

MOTOTRBO™ RADIO KITS

Kit D1 - **SLR1000 Coverage Extender Kit**
IP65-rated repeater for dust and water protection - the compact size gives you more installation options, and a low power, fanless design uses less space and energy:
- SLR1000

Kit D2 - **MOTOTRBO™ ACE SCADA Kit**
Water levels, ventilation, sirens, safety systems – when you are working a mine without infrastructure you can work safely on the fly:
- ACE1000 (Store and Fwd.)
- XPR Portable

Kit D3 - **MOTOTRBO™ Link Radio Kit**
Extend multiple repeaters in series to create a wireless network down an extensive tunnel with no wires between, just a power source:
- 2 SLR1000 / site

Kit D4 - **MOTOTRBO™ Portable Kit**
Direct Conventional operation with portable radios offers tactical voice, data, and telemetry capabilities you might not realize that are ideal for small teams always on the move:
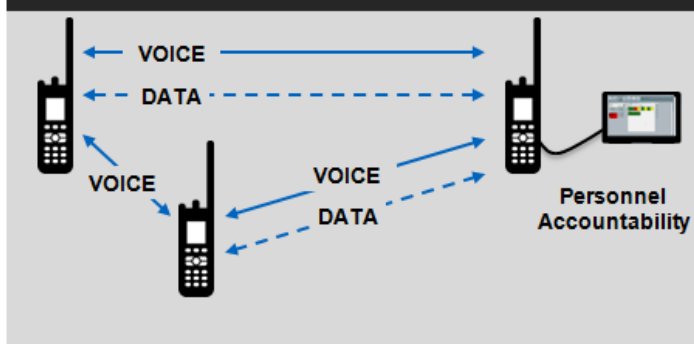- XPR7500e portable radios

Kit D5 - **MOTOTRBO™ Indoor/Outoor Location Kit**
Combine voice and data applications with iBeacon and GPS location to enhance worker safety underground and aboveground. Deploy in a tactical environment to keep your team safe even when entering mines and areas with no infrastructure:
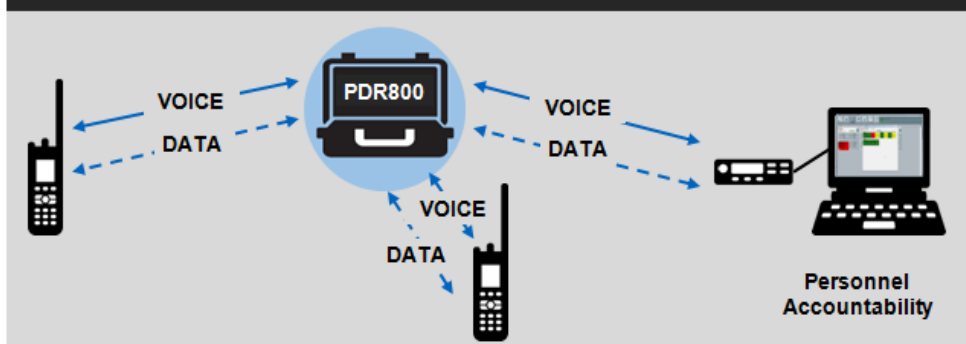- SLR5000 in Pelican Case
- Rugged Laptop with SmartPTT
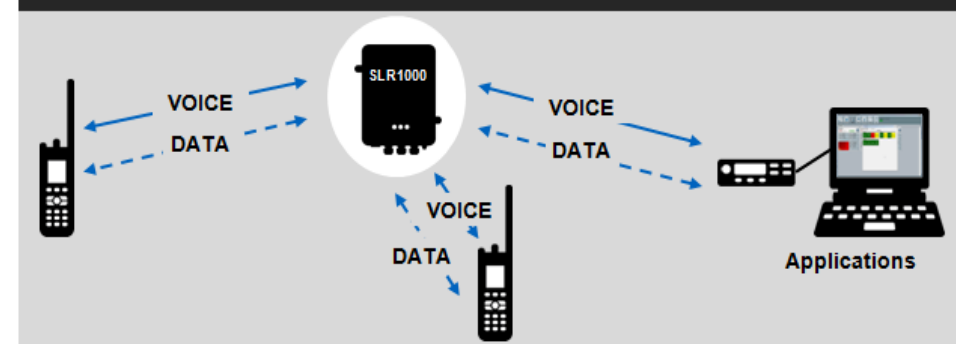- XPR7500e Portable Radios
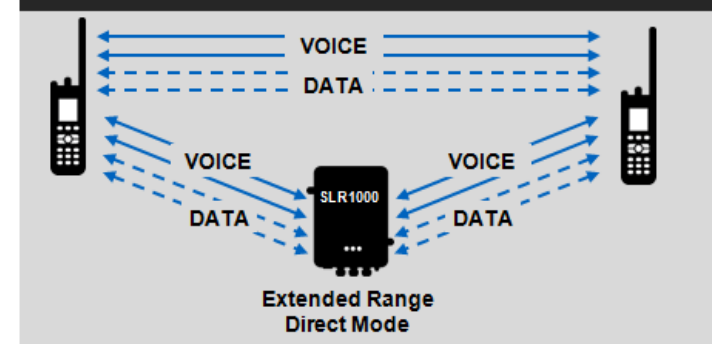

REPEATED CONVENTIONAL / TRUNKING

DIRECT CONVENTIONAL

APX XTREME:

"When I am in the hole and my life is on the line, I want a loud, rugged device I can count on."

The APX XE500 RSM's five integrated microphones and Adaptive Audio Engine automatically change the level of noise suppression, microphone gain, windporting and speaker equalization to produce clear and loud audio in any environment. Designed to withstand heat exposure of 500˚F (260˚C) for up to five minutes and an IP68 (2m, 4 hours) submersibility rating, it will perform in extreme conditions.

Our Motorola <u>direct account team</u> is focused on mining and ready to support you:

- Special 2019 SME Kit Pricing Sheets for North America (to go with this SME flyer)
- Proof of Concept Testing
- New Technology Evaluations for your business
- Explore Motorola's Direct Service Capabilities
  (Keep your local Motorola/Avigilon dealer while enhancing your corporate wide services and pool of technical resources)
- Radio Rentals Direct with Motorola

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