



# Orion Gen 6 Radios

tactical network mission packages  
for the connected battlespace



## Overview

On today's dynamic battlefield, warfighters require resilient communication systems that evolve with emerging threats. Command posts must transform from static installations into nimble nerve centers, enabling commanders to maintain decisive advantages through rapid deployment and relocation.

Communication solutions must also handle high volumes of data without sacrificing reliability to maintain real time data exchange, reliable video and voice communication to gain and maintain the advantage.

Ultra I&C's mission packages offer a variety of self-contained and customizable solutions to ensure the highest reliability for line of sight communications for missions at the halt/at the quick halt, aerial, or dispersed command posts.

These integrated, ready-out-of-the-box mission packages simplify program management, ensure consistent quality and deliver all needed equipment efficiently for the user.

Recent conflicts show the need for flexible, high-speed communication that's easy to set up and use.

▶ The Orion Gen 6 Radios form the backbone of our mission packages, delivering two-channel, multi-waveform RF transmission with Ultra I&C's High Throughput Mesh (HTM). HTM enables reliable, self-healing, line-of-sight networks for mobile and fixed operations—no additional infrastructure needed.

DISTRIBUTED CP

LONG RANGE

AERIAL EXTENSION

Current solutions lack flexibility for decentralized, adaptable operations and struggle to integrate legacy and modern technologies, creating communication challenges and risks that hinders mission collaboration.

▶ Our mission packages maximize flexibility, ensuring continuous connectivity between units and seamless integration with both new and legacy systems and evolving techniques and procedures.

DISTRIBUTED CP

LONG RANGE

AERIAL EXTENSION

Distributed command posts need survivable, reliable, resilient command communication to minimize threat exposure, avoid slow react time and falling short. on operational effectiveness.

▶ Our mission packages match the speed of battle. The compact Orion Gen 6 Radios offer a smaller SWAP, extending range and resilience and offer sophisticated, easy to use, secure and reliable communications with advanced LPI-LPD-LPX and other electromagnetic countermeasures.

DISTRIBUTED CP

LONG RANGE

AERIAL EXTENSION

Agile, quick to deploy communications are crucial for the ever-changing battlespace. Without reliable, adaptable communications, forces risk trailing the speed of battle, impacting effectiveness of large-scale and hyper-tactical missions.

▶ Versatile, rapid-deploy communication packages for fixed or mobile communication needs. Mast or tethered UAS options are quick to deploy and stabilize, delivering connectivity and adapts easily to changing terrain and operational tempo.

DISTRIBUTED CP

LONG RANGE

AERIAL EXTENSION

Redundancy is insufficient - Ground forces need multiple, easy-to-use communication channels/bearers for reliable connectivity during active combat.

▶ Our mission packages offer RF transmission diversity through two-channel, multi-waveform, frequency agile radios for both fixed and mobile networks. Common baseband components and open interface standards enable seamless integration with current and future automated PACE capabilities.

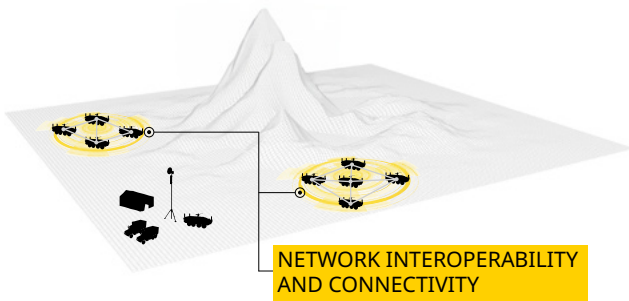
DISTRIBUTED CP

LONG RANGE

AERIAL EXTENSION

# Customizable Ultra I&C mission packages for the fast-paced, ever-changing battlefield

## DISTRIBUTED COMMAND POST MISSION PACKAGE



Vehicle-mounted, OTM

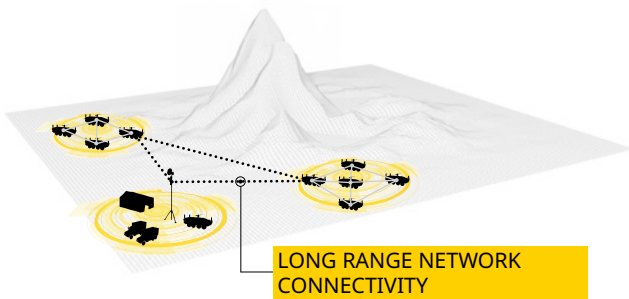


Orion X650  
2x2 & 4x4 MIMO



Vehicular omni antennas  
Spring-mounted  
Dual-Band Options: S&C, L&C, L&S

## LONG RANGE MISSION PACKAGE



Mast-mounted, ATH/ATQH



Orion X650  
2x2 & 4x4 MIMO



NPU-10G  
Power and network



Small form-factor omni antennas  
C or L&S, V or H-polarized



S & C Panel  
2X2 MIMO



L & S Panel  
2X2 MIMO

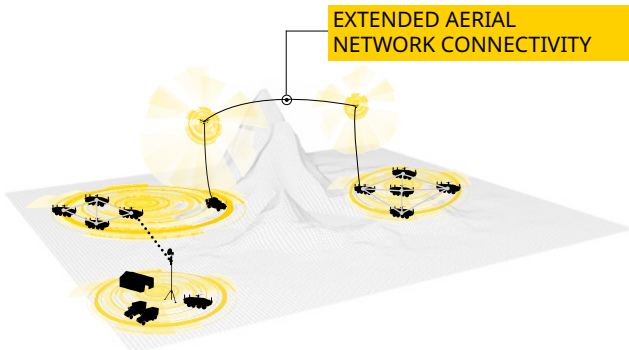


S & C Sector  
2X2 MIMO



L & S + C Parabolic  
2X2 MIMO

## AERIAL EXTENSION MISSION PACKAGE



VHA-mounted, ATH/ATQH



Orion X630  
2x2 & 4x4 MIMO



Small form-factor omni antennas  
C or L&S, V or H-polarized



Small form-factor panel antennas  
L&S or C, 2x2 MIMO

Delivering decision  
advantage to  
mission partners  
worldwide