VIDA® NETWORK SOLUTIONS
End-to-End Unified Connectivity
L3Harris VIDA (Voice, Interoperability, Data and Access) Network Solutions reduce IT complexities through a single, unified platform supporting P25 voice, data and applications across LMR and LTE networks—providing a simplified path to mission-critical broadband. Engineered to meet diverse Public Safety and Utilities challenges, this scalable solution’s tiered architecture allows organizations to add features and applications as needs change and budgets allow.

**SECURE, INTEROPERABLE AND RESILIENT**

> Mission-critical P25 communications over LMR and broadband networks
> Open standards-based for greater choice of carriers, terminal devices and applications
> High Availability (HA) technologies with industry-leading redundancy across 4 servers in multiple locations
> Cloud-ready, virtualized core supports voice and data access from nearly anywhere
> End-to-end encryption and comprehensive portfolio of cybersecurity services and updates
FLEXIBLE BY DESIGN

VIDA Network Solutions are offered in three different configurations, allowing organizations to choose what best fits their current demands and future growth plans.

**Large-Scale Deployments**
VIDA Premier is designed for large state or country-wide communications systems in single or multi-regional configurations. This solution employs Virtual Machine (VM) technology, streamlining the addition of Public Safety and Utility applications into its voice, system management and administration services.

**Medium-Sized Deployments**
VIDA Unite supports larger city or county-wide agency communications. Engineered to provide value while retaining critical features and system redundancy—Unite offers the same voice, management and administration services as Premier and the same choice of applications.

**Smaller Deployments**
VIDA Essentials is a cost-effective offering ideal for smaller county, town or rural utility needs. Essentials features LTE and robust cybersecurity options. Also includes Voice High Availability (HA) for real-time applications and Symphony™/BeOn® only configurations.

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**Extend Your Coverage**
VIDA Connect interfaces with RF sites, consoles and interoperability gateways to extend service from larger, regional systems to remote locations and dispatch centers. Other VIDA systems and any combination of P25 Trunked, Conventional, Simulcast and OpenSky® RF sites may be added to a Connect region.

<table>
<thead>
<tr>
<th>Designed for</th>
<th>Essentials</th>
<th>Unite</th>
<th>Premier</th>
<th>Connect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large-scale offering/</td>
<td>Entry-level</td>
<td>Medium-size</td>
<td>Large wide-area</td>
<td>Enables distributed scalable networks</td>
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<tr>
<td>smaller systems (Rural public safety,</td>
<td>systems</td>
<td>systems</td>
<td>systems</td>
<td></td>
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<td>Co-op utilities)</td>
<td>(Co-op</td>
<td>(County-wide or</td>
<td>(State-wide</td>
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<td></td>
<td>utilities)</td>
<td>municipal utilities)</td>
<td>wide network,</td>
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<td>Large Investor</td>
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<td>Owned Utility /</td>
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<td></td>
<td></td>
<td></td>
<td>Transportation)</td>
<td></td>
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<tr>
<td>Capacity (Sites)</td>
<td>9</td>
<td>16</td>
<td>254</td>
<td>100</td>
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<tr>
<td>Consoles (Max)</td>
<td>12</td>
<td>20</td>
<td>100</td>
<td>60</td>
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<tr>
<td>Simultaneous talk paths</td>
<td>300</td>
<td>800</td>
<td>2400</td>
<td>1600</td>
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<tr>
<td>High Availability for management</td>
<td>Voice HA</td>
<td>Application HA</td>
<td>Location HA</td>
<td>Location HA (part of Premier Core)</td>
</tr>
<tr>
<td>applications</td>
<td></td>
<td>Location HA</td>
<td>Location HA</td>
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<tr>
<td>BeOn (Broadband PTT) server</td>
<td>Standard</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>Link Layer Authentication</td>
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<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>High Velocity Data</td>
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<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>StatusAware for Location services</td>
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<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>P25 Inter-agency interoperability</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>via ISSI/CSSI</td>
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<td>P25 Conventional Interoperability</td>
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<td>(DFSI)</td>
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<tr>
<td>Infrastructure Managed Services</td>
<td>Optional services including regular patch and cybersecurity updates</td>
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Robust, High Availability and Redundancy

Reliable communications are a lifeline during everyday and emergency operations. VIDA High Availability (HA) technologies reduce downtime by keeping on-scene workers connected to dispatch. Features include surge capacity to restore power quickly and a second set of infrastructure and software to serve as immediate backup for networked communications.

**Voice HA (VIDA Essentials only)** — redundant real-time voice applications on separate primary and secondary servers which can be geographically separated

**Application HA (VIDA Unite and Connect)** — a backup instance on an application on the primary server

**Location HA (VIDA Premier, Unite and Connect)** — separate primary and secondary servers that can be geographically separated

**Location Diversity HA (VIDA Premier only)** — provides hardware and application redundancy in both primary and secondary locations

<table>
<thead>
<tr>
<th>APPLICATION HA</th>
<th>VOICE HA and LOCATION HA</th>
<th>LOCATION DIVERSITY HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet</td>
<td>Internet</td>
<td>Internet</td>
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<tr>
<td>Firewall</td>
<td>Firewall</td>
<td>Firewall</td>
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<tr>
<td>Wide-Area Router</td>
<td>Wide-Area Router</td>
<td>Wide-Area Router</td>
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<tr>
<td>Regional Firewall (Optional IA)</td>
<td>Regional Firewall (Optional IA)</td>
<td>Regional Firewall (Optional IA)</td>
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<tr>
<td>Application Server</td>
<td>Application Server</td>
<td>Application Servers</td>
</tr>
</tbody>
</table>
High Availability Data Speeds Incident Resolution and Worker Productivity.

**IMPROVE SITUATIONAL AWARENESS**
VIDA Network Solution’s LTE broadband capabilities, cloud-ready core, status applications and high data throughput give organizations real-time, critical information for more effective asset monitoring, faster incident response and resolution.

> LTE platform delivers rich, high-speed video, voice and data for best-informed decision making
> StatusAware app and in-band GPS give an up-to-the-moment status of workers and assets when a radio is keyed
> High-velocity channel with integrated voice and data and flexible bandwidth support more efficient monitoring of high and low latency assets

**PROTECT AGAINST THREATS**
L3Harris addresses evolving and ongoing challenges with a comprehensive portfolio of security products and services for VIDA, including network hardening, threat detection and mitigation, and access controls. These cybersecurity solutions for wireless communication systems are designed to meet U.S. federal and industry standards and best practices. This offering leverages industry-leading engineering expertise and technologies to combat the risks associated with processing, transportation and storing of critical data. L3Harris expertise and commitment to security has allowed us to successfully deploy communications networks for some of the world’s most security-conscious agencies.

> Network hardening to minimize security vulnerabilities
> Threat detection, mitigation and access controls
> Scheduled updates and patches proven to meet U.S. cybersecurity and network security standards

**IMPROVE DATA MANAGEMENT AND EFFICIENCIES**
VIDA Network Solutions consolidate hardware, network footprint and overall IT complexities. This single, unified platform for network and device management drives new operational costs and total cost of ownership.

> The Unified Administration Server application allows configuration and monitoring of users, user privileges and talk group records, security and capabilities within the VIDA network.
> The Enterprise Network Manager is an enterprise-wide platform, providing network, application and hardware status through a single web browser interface
> Over-The-Air-Programming broadcasts new personalities to in-field radios, saving time for large fleets or rebanding efforts
> Over-The-Air-Rekeying updates encryption keys to radios in-field, eliminating time and effort of manual rekeying
FAST. FORWARD.