APPLICATIONS OVERVIEW

Today’s cyber-physical systems now extend to mobile environments in ways that security planners never envisioned. From military vessels at sea to civilian aircraft in flight and commercially-operated unmanned aerial vehicles, the potential for catastrophic cyber-attacks is both real and a relatively new frontier in cybersecurity. Essential security for legacy systems and devices is minimal to nonexistent. Protection for modern mobile machines must integrate certified and comprehensive encryption, energy efficiency and authentication technology for assured confidentiality, integrity and availability of sensor and network data.

UltraMobile solutions can correct vulnerabilities and plug hidden security gaps in mobile devices and networks. Solutions easily embed security into industrial automation and control systems to shield critical infrastructure, without interruption, against cyber-attacks.
Whether protecting a remote operations system or a secure communications link, UltraMobile solutions can establish security where needed. UltraMobile integrates comprehensive encryption and authentication technology that guards sensors and networks.

**Cyber-Physical Security**

We define cyber-physical security as the comprehensive cyber-hardening of the networked systems and the critical infrastructure that cross the IT and operational technology (OT) domains. The OT environment is the front-facing edge system that combines cyber components with physical devices to form networks whose operational integrity is critical to human safety. 3eTI specializes in securing the OT zone, ensuring that cyber-threats don’t become physical ones.

3eTI secure wireless networks extend unclassified ISNS on the USS HOWARD, BOXER, NIMITZ, ESSEX, RONALD REAGAN, MASON, COLE and GEORGE H.W. BUSH.
EMBEDDED CYBERSECURITY

Underserved by even simple cybersecurity are the machine-to-machine (M2M) systems driving countless critical operations. As a result, cyber-attacks pose potentially life-threatening risks via mobile systems. They are powered by embedded control sensors that manage thermal imaging, automatic door locks, radar tracking, aviation systems and more. UltraMobile extends protection to unguarded devices in new or legacy systems. Its protections surpass basic firewall, perimeter and signature-based defenses without adding complexity that can impede operational efficiency.

UltraMobile’s proprietary DarkNode technology cloaks industrial endpoint data and communications using a “stealth mode.” With DarkNode engaged, an attacker is unable to detect its presence or delve into data transmissions. Hackers cannot interfere with what they cannot see or find. UltraMobile and DarkNode also can be integrated directly into an existing system with no additional configuration required.

3eTI’s product portfolio includes net-centric, out-of-the box and OEM products that enable comprehensive data protection for a wide range of defense and industrial applications.

MOBILE WIRELESS MESH NETWORK

UltraMobile utilizes high-performance platforms that reliably deliver continuous connectivity for optimal security. Specialized networks can be designed to accommodate tactical field operations, remote video surveillance or vehicle communications. Components can be integrated easily into an existing network infrastructure for extended coverage that delivers significant cost savings over solution alternatives. The robust form factor is reliable and built to last for industrial environments. UltraMobile is certified for outdoor use, difficult terrains and severe climate conditions.

Successfully tested and deployed in military, federal and industrial environments requiring high levels of security and accuracy.
FEDERALLY ASSURED TO MEET SECURITY MANDATES

UltraMobile technology has been successfully tested and deployed in military, federal and local environments requiring high levels of security and accuracy. The federal government's stringent security standards require validated communications solutions that include UltraMobile. A trusted resource for the DoD since 1995, UltraMobile enables maximum operational productivity and is certified to meet military information assurance (IA) standards.

- Increases operational efficiencies
- Maximizes resources and budget
- Allows for expansion and adaptability
- Ensures failsafe facility and network security

VirtualFence WiFiProtect CyberFence UltraServices

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