

Secure Wireless Networking

LTI DataComm Practice Area Overview

PROTECTING WIRED AND WIRELESS COMMUNICATION IN A MOBILE WORLD

The need for mobility creates many challenges. Chief among these challenges are security and reliability. Government workers can now stay connected in a mobile world while protecting sensitive information. Whether in a headquarters location, a home office/telework site or as part of a mobile audit team, our security solutions keep critical, propriety communications locked up in both wired and wireless environments. We take into consideration all government regulations for secure wireless networking and provide a variety of powerful WLAN solutions to meet your organization's needs in an ever-mobile climate. These solutions are available on a multitude of contract vehicles and wrapped in top-notch installation, training and support services.

MEETING GOVERNMENT SECURITY REQUIREMENTS

LTI DataComm is intimately familiar with government security concerns, requirements and regulations. Our goal is to provide the best integrated wireless solution to serve any federal organization's secure networking needs while complying with federal directives. Type 1 encryption, layer 2 Encryption and a comprehensive FIPS 140-2 Validated 802.11i offering brings our solution into compliance with important government regulations like Department of Defense Directive (DoDD) 8100.2. This technology also provides FIPS 140-2 security to wired and mobile devices that do not support 802.11i.

SECURE SOLUTIONS TO ANSWER WIRELESS CHALLENGES

LTI has brought together the best-in-class wireless technologies to deliver the most robust security solution sets. LTI DataComm offers a wide range of full turn-key secure wireless solutions including:

- Traditional secure enterprise Wi-Fi 802.11 access
- Complex outdoor multi-radio full mesh networks
- Interconnecting LAN's (Local Area Networks) with high capacity point-to-point microwave backhaul links
- Broadband Wireless Access (BWA) via the newly ratified 802.16 standard WiMAX
- Integration of currently deployed wireless networks with today's highest security standards
- RFID and Asset Tagging solutions

Innovation never slows down, new criterion and standards are conceptualized every day, not only in the global world of Information Technology, but in the world of wireless: 802.11n (Multiple-Input Multiple-Output MIMO), 802.11w (Management Frame Protection MFP), 802.11s (wireless mesh standard), ruggedized deployable WLAN kits, Suite B security standards (National Security Agency NSA, cryptography), and etc. Which is why LTI DataComm stays abreast of the fast paced industry, by consistently researching, inquiring, and teaming with new and innovative partners that develop cutting-edge technology.



Technology Overview



THE MOST ROBUST WIRELESS SECURITY TECHNOLOGIES AVAILABLE

- **Network Management over Multi-vendor WLAN Deployments**
- **Type 1 Encryption, FIPS 140-2 Validated, End to End Security**
- **ID & Elimination of Rogue Clients & APs**
- **Feature-Rich Management & Planning Tools**
- **Security for both Wired & Wireless Networks**
- **Design, Installation, Training & Support Services**
- **A Wide Variety of Purchasing Vehicles**

Technology Overview



**Certified, Secure
Professional Service
Providers**

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WIRELESS INTRUSION DETECTION

LTI DataComm has brought together rock-solid wireless technologies to deliver the most robust security solution set. The detection of Rogue Clients and Access Points (APs) is essential to the protection of propriety networks. Our solutions offer a variety of tools to increase network visibility and identify possible threats. Network-passive “Air Monitors” (AMs) are used to detect signs of attack or other undesired wireless activity. The centralized Access Controller (AC) deeply analyzes all traffic and reports suspicious events. Our system also allows the administrator to physically locate the threat within a building floor plan or tactical location.

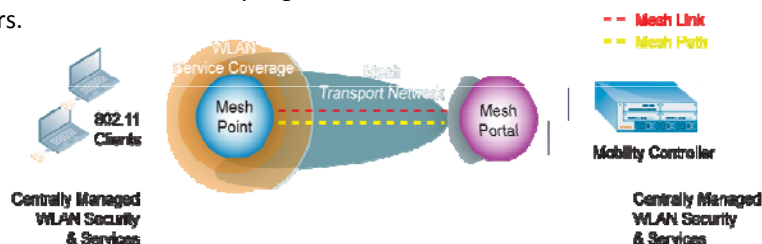
WIRELESS INTRUSION DETECTION

In order to prevent wireless intrusion, full visibility of the air and wire is necessary. Our solutions not only detect Rogue Clients and APs, but locate and disable the threat through Denial of Service, “black listing,” and a variety of other methods. Our solutions also enable the prevention of many threats simultaneously without interrupting service. The system’s centralized Access Controller (AC) prevents threats by maintaining a single point of security control and utilizing custom user-specific policies.

The AC aggregates encrypted traffic and allows all traffic to be monitored at the Controller while ensuring complete end-to-end encryption.

SECURE ENTERPRISE MESH

Secure Enterprise Mesh allows outdoor and indoor enterprise environments to be networked without any wires – and with the security and reliability of a wired LAN. In sharp contrast to existing wireless mesh technologies (used primarily for metro deployments), Secure Enterprise Mesh meets enterprise requirements including bullet-proof security, reliability, easy installation and simplified management. Secure Enterprise Mesh solution allows access points (APs) to be placed wherever needed. No fiber runs or Ethernet cabling are required, easing installation, reducing deployment costs and lowering the number of Ethernet ports required. LTI's Secure Enterprise Mesh allows any AP to act as a centrally controlled mesh AP. Applications and users get equivalent service and security regardless of whether on a wired or mesh AP, indoors or outdoors.



HIGHLY CERTIFIED, ENGINEERING SERVICES

LTI DataComm utilizes a core group of highly certified wireless network engineers to provide best-in-class pre-sales, integration services, and support. Our expertise on staff, range from CWNA's (Certified Wireless Network Associate), CWSP's (Certified Wireless Security Professional), AWLANFE's (Cisco Advanced WLAN Field Engineer), ACMP's (Aruba Certified Mobility Professional), and two ACMX's (Aruba Certified Mobility Expert).

LTI Datacomm offers a broad spectrum of wireless services, starting from the initial idea, to the design phase, through implementation, and ending with of the post installation support.

Solutions to Serve, Solutions for Service