



TLC Solutions Inc.
USER FIRST TECHNOLOGY

TLC SOLUTIONS, INC.
PRODUCTS & SERVICES

WIRELESS NETWORKS
SYSTEMS INTEGRATION
PRODUCT DEVELOPMENT
CUSTOM FABRICATION

OTHER PRODUCTS
AVAILABLE

- PICO-GSM BASE STATION
- PICO-CDMA NETWORK
- PICO-EVDO NETWORK
- PICO -UMTS NETWORK
- MULTI-STANDARD MOBILE SWITCHING CENTER (MSC)
- MINI-GSM BASE STATION SUBSYSTEM
- SUBSYSTEM
- MACRO-CDMA BASE STATION SUBSYSTEM
- MACRO-EVDO BASE STATION SUBSYSTEM
- MACRO-UMTS BASE STATION SUBSYSTEM
- CHATTERBOX VOICE & SMS TRAFFIC GENERATOR

MULTI TRX GSM NETWORK



Multi-TRX GSM Network

TLC Solutions' Multi TRX GSM Network is the most capable, fully-specified GSM network solution on the market today. This system can provide every major available feature in today's commercial GSM networks including voice calling, Short Message Service (SMS), GPRS/EDGE data, handovers and mobile authentication.

The Multi TRX GSM Network is available in a number of different form factors and with a variety of options including support for multi-media, email and chat. It can be packaged in a variety of configurations capable of being shipped by most commercial freight companies, making it easily deployable and operational within minutes.

- Flexible, private GSM Network supporting voice, SMS, and data services
- Support for multiple backhaul options for connectivity into DoD or commercial networks
- Supports the use of any GSM mobile handset and provides all the major functions of a commercial network
- Multiple options available for supporting up to Type-1 secure communications
- Can be customized in a variety of form factors and capacities

Its design is ideal for supporting tactical communications, and public safety, homeland security, and other defense applications.

The Multi TRX GSM Network can operate in a variety of modes, including as a single base station subsystem or as a larger, networked base station subsystem with multiple nodes.

All communications between the components of the Multi TRX GSM Network are accomplished over IP connectivity, resulting in flexible network deployments that can be easily integrated into existing network infrastructure.

The Multi TRX GSM Network is available in 850 MHz, 900 MHz, 1800 MHz and 1900 MHz frequency bands and supports both GPRS and EDGE data connectivity.

ABOUT TLC SOLUTIONS, INC.

TLC Solutions is the leader in providing secure wireless network solutions designed specifically for portability, ease-of-use and tactical communications applications across a variety of standards including 2G, 3G and ultimately 4G technologies.

As a small, woman-owned business with expertise in systems integration, RF and network engineering, hardware and software development, and custom fabrication, TLC has been producing cutting-edge communications solutions and providing outstanding support to its Government and DoD customers since its inception in 2003.

For more information on any of our products or services please visit us on the Web at:

www.toplevelcom.com

FEATURES AND BENEFITS



Two-TRX Pico-GSM Network

Based on the customer's operational requirements, the Multi TRX GSM Network can be prewired and preconfigured to be set-up and operational within minutes of antenna deployment and the flip of the power switch.

Backed by TLC Solutions' world-class integration and support services, the Multi TRX GSM Network is self-contained and can be ruggedized to survive some of the harshest weather conditions.

TLC Solutions' custom manufacturing capabilities allow for a wide variety of form factors to fit the needs of any installation.

TLC Solutions' Multi TRX GSM Network is the most compact, portable GSM Network available in the market and is widely deployed by a number of DoD and other Government organizations.

The Multi TRX GSM Network fully supports all of the functions expected from a cellular network in addition to providing secure communications capabilities.

Multiple systems can be networked together through satellite, WiMAX or other backhaul methods to increase the range of network coverage.

SYSTEM SPECIFICATIONS

Features :

- 1000+ Subscriber HLR
- 1000+ Subscriber VLR
- Up to 62 simultaneous voice calls per node
- Integrated SMSC
- Integrated GSN (Optional)
- NSA Type 1 Secure phone support
- Integrated AUC
- Call Holding, Call Waiting, Caller ID
- MMS Support (Optional)
- Email Support (Optional)
- Chat Support (Optional)
- Up to 120W Output Power

Specifications:

Input Power

- 110-240 VAC 50/60 Hz
- 800W Max Power Consumption

Temperature

- Operating -5° C to +45° C
- Storage -40° C to +85° C

Humidity

- Operating 0% to 95% Non-condensing

Dimensions:

- Varies by configuration

Weight

- Varies by configuration

Network Interface Options

- Session Initiated Protocol (SIP)
- E-1/T1 ISDN PRI (Optional)
- GSM Map (Optional)



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TLC Solutions, Inc.
120 Cumberland Park Drive, Suite 101
St. Augustine, FL 32095
phone: (904) 829-0323
fax: (904) 217-0328
email: sales@toplevelcom.com
www.toplevelcom.com