



Rapidly Deployable Emergency Command & Control Center

- ▶ Flexible, private GSM network supporting voice, SMS & data services
- ▶ Supports any GSM mobile handset or Smartphone
- ▶ Provides all the major functions of a commercial network
- ▶ Multiple backhaul options for connectivity into government & commercial networks
- ▶ Multiple options available for supporting several levels of secure communications

REDCOM and TLC Solutions have teamed up to “cut the wires” by combining the technologies of REDCOM’s SLICE® 2100™ and TLC Solutions’ Portable GSM Network, creating a self-contained switching system, designed to serve as the communications hub for a Rapidly Deployable Emergency Command and Control Center (RDEC3). The RDEC3 is a small, fully-specified GSM/Softswitch solution. Backed by REDCOM’s and TLC Solutions’ world-class integration and support services, this system can provide the features found in today’s commercial PBXs and GSM networks including voice calling, Short Message Service (SMS), GPRS/EDGE data, handovers and mobile authentication.

The design and flexibility of the RDEC3 make it the ideal solution to act as the communications core for an Incident Command Center, Tactical Command Post, Homeland Security, Public Safety and a myriad of other applications where reliable communications are critical.

CUSTOMIZABLE TO MEET YOUR NEEDS

The RDEC3 Network is available in a number of different configurations and with a variety of options including support for multi-media, email and chat on the GSM devices and up to 2,000 IP subscribers, SIP, AS-SIP, T1/E1, analog trunks, analog lines, ISDN-BRI lines and radio circuits on the REDCOM SLICE 2100.

FLEXIBLE DEPLOYMENT

The RDEC3 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 RDEC3 Network are accomplished via IP connectivity, resulting in network flexibility that can be easily integrated into an existing network infrastructure. The GSM network is available in 850 MHz, 900 MHz, 1800 MHz and 1900 MHz frequency bands and supports both GPRS and EDGE data connectivity.

Based on the customer’s operational requirements, the RDEC3 can be prewired and configured to be set-up and operational within minutes of antenna deployment and the flip of the power switch.

RUGGEDIZED PACKAGING

The RDEC3 can be packaged in a rugged transit case capable of being checked as baggage on most commercial aircraft. The RDEC3 can provide reliable voice and data communications services in the harshest and most remote locations on earth.



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PROUDLY DESIGNED, BUILT
& SERVICED IN THE USA



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RDEC3 Features & Specifications

SPECIFICATIONS

Input Power

- 110–240 VAC 50/60 Hz
- 250W Max Power Consumption

Environment

- Operating Temperatures: –5° C to +45° C
- Storage Temperatures: –40° C to +85° C
- Operating Humidity 5% to 90% (non-condensing)

Physical

- Dimensions: 11.09" h x 22.47" w x 30" d
- Weight: 103lbs. / 46.7 kg

SUPPORTED INTERFACES

- SIP Trunking
- T1/E1 Trunks
- Analog Trunks
- Analog Lines
- ISDN-BRI Lines
- Radio Circuits
- DTMF & RFC 2833
- MF/R1, FG-C&D
- MFC R2
- ISDN PRI (4ESS, 5ESS, NI1, DMS100, DSN & Euro)
- ISDN BRI (5ESS, NI1 & Euro)
- ANSI SS7 & ITU C7
- E&M
- GSRD/LSRD

STANDARD SLICE MODULE

Line/Trunk Module

- 10 Loop/Magneto Lines
- 2 ISDN BRI-S Lines
- 2 E&M/SF Trunks
- 2 GSRD/LSRD Trunks

OPTIONAL SLICE MODULES

12-Port Line Module

- 12 Loop Lines
- 2 ISDN BRI-S Lines

24-Port Line Module

- 24 Loop Lines

Multi-E1/T1 Module

- 4 E1/T1 Spans

Radio Interface Module

- Interoperable with Military (including secure) and Civilian Radios

Media Services Circuit Module

- Allows more simultaneous TDM-IP calls
- Provides extra bandwidth for gateway applications and conferencing

Secure Device Module (with SWT)

- Secure Interoperability with SWT, SCIP, Iridium Type I, GSM Type I, STE, NBS & LTU-TED

SLICE 2100 FEATURES

- 200 registered IP subscribers
- Integrated SIP-based Call Manager
- Integrated Media Gateway & Media Gateway Controller
- Large Conference Support (Preset, Meet-Me & Progressive)
- JITC APL Certified
- Up to 2,000 registered IP subscribers (Optional)
- Supports AS-SIP (Optional)
- VoIP security: TLS/SRTP/SSL (Optional)
- Fax over IP: T.38, Media Gateway Conversion (MGC) & Auto (Optional)
- Modem over IP: V.150.1 (Optional)

GSM FEATURES

- 1000+ Subscriber HLR
- 1000+ Subscriber VLR
- 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 10W Output Power

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 TLC Solutions' products or services please visit: www.toplevelcom.com.

ABOUT REDCOM LABORATORIES, INC.

REDCOM Laboratories, Inc. is a small business enterprise based in Victor, New York. For more than 30 years, REDCOM has specialized in the design and manufacture of innovative telecommunications products noted for high reliability and low total cost of ownership. REDCOM supports a global customer base including commercial telecom service providers, private networks, integrators, emergency responders, and government and defense agencies, customizing products to meet each market's specific needs.

All of REDCOM's products are proudly designed, manufactured, assembled and serviced in the USA.

REDCOM's solutions may be reviewed at www.redcom.com. Contact a REDCOM customer advocate at sales@redcom.com.