REDCOM SLICE® IP Command & Control

An advanced IP communications solution for tactical & strategic applications

▶ **Powered by REDCOM's TRANSip® IP Telephony Suite**

▶ **Full featured call manager in a 1U platform**

▶ **Supports AS-SIP (UC) Requirements**

▶ **Supports Secure VoIP via V.150.1**

▶ **Supports MLPP**

▶ **Supports SSL, TLS, SRTP and SNMP**

SECURE COMMUNICATION

The TRANSip technology suite delivers tactical, strategic and secure VoIP through an integrated SIP Call Manager with IP Trunking. SLICE IP enables IP users to communicate securely via SCIP and V.150.1. SLICE IP connects multi-technology networks and provides a secure link for Joint, NATO, and Coalition Forces.

REDCOM SLICE IP OVERVIEW

SLICE IP with TRANSip is a Commercial-Off-The-Shelf (COTS) fully integrated communications platform that provides a flexible, reliable VoIP solution in a slim, compact 1U platform. Easily transportable for tactical communications and powerful enough for strategic applications, whatever your requirements are the SLICE IP offers a complete VoIP solution in a single platform.

A single SLICE IP supports up to 3,000 IP subscribers. Two SLICE IP systems can be stacked to operate as a single system when greater capacity is required, allowing you to double your IP trunking and IP subscriber base. The SLICE IP can also stack with REDCOM's flagship SLICE® 2100™ system when access to TDM or legacy protocols is needed.

The SLICE IP is a comprehensive solution for multiple government applications, offering interoperability, flexibility, priority routing, data collection, and protocol support. The SLICE IP also supports the V.150.1 (modem over IP) published standard ensuring interoperability for encrypted, secure voice communications.
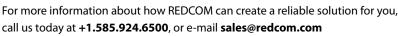
TOUGH, TRANSPORTABLE

The REDCOM Tactical Communications Package (TCP) is built to withstand the harsh conditions of airlift, seaborne transport, and off-road transportation. The transit cases meet stringent government and defense specifications for impact and vibration. REDCOM's TCPs are installed in ships, trucks and Humvees, as well as communications shelters and remote encampments or tent cities. No matter how you deploy, REDCOM's TCP is designed to go with you. Interoperable, battle-tested, and man-portable, the custom-configured SLICE IP TCP package delivers maximum communications flexibility.

Custom-configured SLICE IP Tactical Communications Package

Talk to the tactical & strategic communications experts at REDCOM

For more information about how REDCOM can create a reliable solution for you, call us today at **+1.585.924.6500**, or e-mail **sales@redcom.com**

One Redcom Center, Victor, NY 14564-0995, U.S.A.   **www.redcom.com**

PROUDLY DESIGNED
& MADE IN THE USA

REDCOM®

REDCOM SLICE® IP Command & Control V4.0 Features & Specifications

PHYSICAL SPECIFICATIONS
- Width: 19 in rack mount; 17.5 in / 44.5 cm
- Height: 1U 1.75 in / 4.4 cm
- Depth: 17.5 in / 45.5 cm
- Weight: 13 lbs. / 5.9 kg
- Mounting: front & center mount brackets included (optional wall mount kit available)
- Power: –48 VDC; 0.8 amps
- Environment
  - 32°–122° F (0°–50° C) ambient
  - 5%–90% relative humidity (non-condensing)

HARDWARE FEATURES
- Two 10/100 Ethernet Ports
- Serial Interface (Dual RS-232/9-Pin)
- 48-Hour Protected RAM
- Dual SRAM PCMCIA Card Slots
  - Save and Restore Capabilities
  - Field Updates and Upgrades of Software Load and Database
- Hot-swappable Cooling Module
- Inter-SLICE Link (ISL)
- Stackable up to 2 units (including SLICE 2100 V4)
- Traffic: 36 ccs (1 Erlang) per port (non-blocking)

TRANSIP® IP TECHNOLOGY SUITE
- Up to 3,000 registered IP subscribers per unit
- AS-SIP
- Audio Streaming RTP (RFCs 3550, 3551, 3389)
- Fax over IP: T.38
- IP Bandwidth Management
- IP Trunking
- Modem over IP: V.150.1
- Packet Loss Concealment: G.711 & G.726
- QoS: IP Differentiated Services (DiffServ) marking
- RFC 3261, 3326, 4028
- Session Description Protocol (SDP) Manipulation
- Silence Suppression: VAD/CNG, G.711, G.726
- SIP Call Controller/Call Manager
- SIP-Based Line Features:
  - 3 Way Calling - Added
  - 3 Way Calling – Joins
  - Attended Transfer
  - Automatic Redial
  - Call Forward All
  - Call Forward Busy
  - Call Forward No Answer
  - Call Hold
  - Call Management In
  - Call Management Out
  - Call Park

- Call Pickup
- Click to Dial
- Consultation Hold
- Find Me
- Music on Hold
- Unattended Transfer
- SRTP
- Telephony Tones: RFC 4733
- Voice Compression: Codecs G.711A&µ, G.723.1H&L, G.726 (16, 24, 32, 40 kb/s), G.729A&B
- VoIP
- VoIP Phones Support Legacy Features

CLASSᔆᴹ FEATURES
- Anonymous Call Rejection
- Automatic Callback
- Call Coverage
- Call Forward Override Dial Code
- Call Hold
- Call Park
- Call Pickup
- Call Return
- Call Waiting and Camp-On
- Caller ID (Name and Number Delivery)
- Calling Number Delivery Blocking
- Change Number Announcements
- Customer-Originated Call Trace
- Distinctive Ringing/ Call Waiting Tone
- Incoming Caller ID
- Last Number Called/Saved Redial
- Message Waiting Services
- Remote Call Forwarding (Call Following)
- Selective Call Forwarding/ Acceptance/ Rejection
- Setup menus for CLASS Announcements
- Transfer with Consultation Hold

OPERATIONS, ADMINISTRATION & MAINTENANCE
- Account Codes
  - Allows Identifying Digit Strings to be appended to Call Records
- Administrative Package
  - User-Friendly Administration Using PC or VT-100 Terminal
  - Open Database Access
  - Editing, Storage of Unactivated Changes
- Automatic Call Distributor (ACD)
- Automatic Callback
- Automated Call Processing (ACP)
- Broadcast Ringing
- Call Data Records
- Call Progress Announcements
- Centrex

- Class of Service Groups
- Computer Telephony Integration (CTI)
- Conferences
  - Preset, Meet-Me, Progressive
  - Conference Chaining
  - Optional Password Protection
  - Loudest Party Talker
- Direct Inward System Access
- Digital Announcements
- Domain Name System (DNS)
- Dual Stack IP (IPv4, IPv6)
- Dynamic Host Configuration Protocol (DHCP) client
- E-Mail Support
  - Database Files Can Be E-mailed To or From the Switch
  - Send Maintenance Notes and Traffic Dumps to Any E-mail Address
  - Users on the Switch Can Send/ Receive E-mail Separated by User Name
- Emergency Call Routing
- Emergency Services (911)
- External Database
- Flexible System Timers
- Flexible Tone Generation for International Call Progress Tones
- Flexible Tone Tables
- Flexible Dialing Translator
- Group Maintenance
- Hidden Dial Codes
- Host Control Interface
- Hotlines
- Issue Test Commands to Ports
- MLPP
- Multi-Level Users
  - Allows Levels of Access and Control for Assigned Users to Perform System Administration
- Multiple Home Exchanges
- Multiple Stations (Directory Numbers and Classes of Service) on a Single Line
- Nailed Up Connections
- Network Time Protocol (NTP)
- Note Filtering
- Note Logging Facility
- Off-Hook Service
- Percentage Trunking
- PIN Number Authorization
- Prerecorded Announcements
- Priority Call Indications
- Priority Override (Conferenced/Non-Conferenced)
- REDCOM BASIC Programming Language
- REDCOM ClusterNet™
  - Voice and Control Paths Between Independent Sites/Switches
  - Host/Remote for Integrated Network Operation

- REDCOM Shell (RSH) Operating System
  - File Manipulation Commands
  - Directory Structure Commands
  - Text File Import and Export
  - Audit Files
  - Script Files, Macros
  - On-Line Help
- Remote Administration and Diagnostics
- Remote Station Logon
- Route Tables with Access Codes
  - Alternate Routes
  - Digit Manipulation
- Secure Telnet (SSL/TLS)
- Selective Station Disable
- SNMP Monitoring
- Station Message Detail Recording (SMDR)
- Speed Dialing (System & User-Definable)
- System CRON Timers
- Time-of-Day Database Changes (Least Cost Routing)
- Toll Restriction
- User Defined Announcements
- User Jobs
  - Administration (ADM)
  - Database Generation (GEN)
  - Database Upload/Download (XLD)
  - Maintenance (MANT)
  - Notes (NOTE)
  - Traffic Usage Report (TDMP)
- User Level Security
- User Recorded Announcements
- Universal Numbering Plan
- View
  - Live/Historical Notes
  - Circuit/Hardware Data
- Wake Up Services
- Warning Tone Trunk (WTT)

ANCILLARY PRODUCTS
- Link Command System
- Maintenance and Administration User Interface (MAUI)

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