REDCOM SLICE®

World's slimmest (1U) multi-function integrated switching system

- Custom-configurable system: PABX, End Office or Tandem switch
- Up to 6 E1/T1 digital spans
- Up to 24 analog lines and 4 BRI-S lines
- Supports E&M/SF Trunks, GSRD/LSRD Trunks
- Interoperable with two-way radio systems

The REDCOM SLICE is a completely integrated switching system that can be configured as a public end/tandem office or as a private network node element, depending on the application (PBX, Class 4/5 switch, host/remote). Weighing less than 15 pounds and just 1U high, the SLICE is easy to install in standard 19 inch (48 cm) equipment racks. Depending on module configuration, a single SLICE can provide up to 24 analog line circuits, 4 BRI-S line circuits, and 6 digital spans (E1/T1).

The SLICE has extensive capabilities for both public and private network settings including specialized tandem features ideal for Power Line Carrier applications. The SLICE provides both domestic and typical international gateway functions, including the capability to perform interface and protocol conversion between U.S. and international standards.

INTERCHANGEABLE MODULES

The SLICE features two rear-accessible positions for your choice of interface modules. These modules allow service providers to configure each SLICE to meet their specific needs. The modules include the following:

- **Subscriber Module:** 12 loop lines, 2 ISDN BRI-S lines & test access
- **Analog Trunk Module:** 10 loop or magneto lines, 2 ISDN BRI-S lines, 2 E&M/SF Trunks & 2 GSRD/LSRD Trunks.
- **Multi-E1/T1 Module:** Adds 4 E1/T1 spans to the SLICE, for a total of 6 E1/T1 trunks per unit.
- **Radio Interface Module:** Allows any phone in the SLICE network to dial a remote radio, or allows a radio to ring a phone, make an outside call, or call another remote radio system.

MULTI-USE, WIDE ADOPTION

The SLICE has been widely adopted by the central office market, private network developers, government and defense users, and emergency response agencies worldwide. Due to its compact size and low power consumption, the SLICE is particularly suited to distributed networks such as those employed by oil platforms, rail and utility networks, and shipboard communications. The SLICE has a full suite of business features including Centrex, ISDN and extensive conferencing in order to meet the needs of the most demanding users. Multiple sites may be seamlessly interconnected with REDCOM's advanced ClusterNet™ technology, which connects multiple SLICE units allowing them to function as one integrated system. The SLICE can also be clustered to a REDCOM HDX or SLICE 2100 for even more features.

REVENUE GENERATION

As a fully functional public exchange, the SLICE provides modern services and revenue-generating features in a small footprint. Replacing existing multiplexers with the SLICE yields enhanced services to subscribers, while retaining the ability to allocate limited bandwidth. SLICE switches can also be connected together for greater capacity. For instance, a 48-subscriber exchange comprised of two integrated SLICE switches can measure as little as 3.4 inches (8.8 cm) high. In addition, when used in conjunction with the REDCOM HDX or SLICE 2100, the SLICE provides a powerful host/remote combination.

LOW MAINTENANCE

The SLICE user interface is identical to other REDCOM products, such as the HDX, thereby reducing training costs for existing customers. Installation and updates are simple and spares inventory is minimal, as is routine maintenance. Because of its unique design, the SLICE allows for easy firmware upgrades and remote database administration. All modules are field-replaceable, making installation and service a snap.

Talk to the 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**

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PROUDLY DESIGNED & MADE IN THE USA

REDCOM®

REDCOM SLICE® 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 in./43 cm
- Weight: 15 lbs./6.5 kg
- Mounting: front & center mount brackets included (optional wall mount kit available)
- Power: –48 VDC; 2.1 amps
- Environment
  - 32°–122° F (0°–50° C) ambient
  - 5%–90% relative humidity (non-condensing)

HARDWARE FEATURES

- 10/100 Ethernet Port
- Serial Interface (Dual RS-232/9-Pin)
- 2 Bays for Field-Replaceable Modules
- 48-Hour Protected RAM
- Dual SRAM PCMCIA Card Slots
  - Save and restore capabilities
  - Field updates and upgrades of software load and database
- 2 E1/T1 Spans:
  - Software-selectable per span as E1/T1
  - 100 Ω T1 interface or 120 Ω E1 interface via an RJ-45 connector
  - Independent alarm and loopback indicators for each span
  - Software controlled clock synchronization
  - Can be provisioned as a fractional E1/T1
  - 3 general-purpose Digital Signal Processors (DSPs): DTMF, MF/R1, MFC R2
  - Support for Primary Rate ISDN
    - 4ESS & 5ESS Protocol
    - National ISDN-1
    - DMS100
    - Euro ISDN
- Hot-swappable Cooling Module
- Traffic: 36 ccs (1 Erlang) per port (non-blocking)

CLASS℠ FEATURES

- Anonymous Call Rejection
- Automatic Callback (local only)
- Call Coverage
- Call Forward Override Dial Code
- Call Hold
- Call Park
- Call Pickup
- Call Return (local only)
- 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

NETWORK TRUNKING

- A-Law/μ-255 Law PCM Conversion
- Busy Trunk Auto-Callback
- Direct Inward Dialing (DID)
- Direct Outward Dialing (DOD)
- DTMF Tones & Dial Pulse Operation
- Euro-ISDN
- Fast Dial on Trunks
- Flexible R2 Backward Digit Mapping Tables
- FXO/FXS Support
- Individual Trunk Selection
- MF Register Signaling
- Off-Hook Service on Trunk Groups
- Primary Rate Interface (PRI)
- R2 Interregister Signaling
- R2 Line Signaling
- Tandem Trunk Calls
- Tandem R2 Interregister Signaling
- Trunk-to-Trunk Answer Return Class Mark
- Trunk-to-Trunk Connection Control

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)
- Automated Call Processing (ACP)
- Basic Rate Interface (BRI S)
- Broadcast Ringing
- 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
- Digital Pad Control
- Direct Inward System Access
- Digital Announcements
- 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: MySQL
- 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
- 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
- Note Filtering
- Note Logging Facility
- Off-Hook Service
- Pad Switching
- 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
- Selective Station Disable
- SNMP Monitoring
- Station Message Detail Recording (SMDR)
- Speed Dialing (System & User-Definable)
- System CRON Timers
- Three PIC Equal Access
- 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
- Voice Mail System Interface
- Wake Up Services
- Warm Line Service

ANCILLARY PRODUCTS

- Maintenance and Administration User Interface (MAUI)
- Scalable Operator Platform

OPTIONAL FEATURES

- Lawful Intercept (CALEA): US J-STD-025A

OPTIONAL MODULES

- Subscriber Module
- Analog Trunk Module
- Multi-E1/T1 Module
- Radio Interface Module

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