REDCOM SLICE® 2100™ 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: 16 lbs. / 7.3 kg
- Mounting: front & center mount brackets included (optional wall mount kit available)
- Power: –48 VDC; 2.3 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)
- 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, SS7 COT
  - Support for Primary Rate ISDN
    - 4ESS & 5ESS Protocol
    - National ISDN-1
    - DMS100
    - Euro ISDN
- Hot-swappable Cooling Module
- Inter-SLICE Link (ISL)
- Stackable up to 2 units
- Traffic: 36 ccs (1 Erlang) per port (non-blocking)

TRANSIP® IP TECHNOLOGY SUITE

- Up to 2,000 registered IP subscribers per unit
- IP Bandwidth Management
- IP Trunking
- Legacy Interface Support
- Media Gateway
- QoS: IP Differentiated Services (DiffServ) marking
- Session Description Protocol (SDP) Manipulation
- Silence Suppression
- 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
- 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

CLASS℠ 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

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)
- Automatic Callback
- Automated Call Processing (ACP)
- Basic Rate Interface (BRI S)
- Broadcast Ringing
- Call Progress Announcements
- Centrex (IP and TDM)
- 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
- 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: 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
- Network Time Protocol (NTP)
- 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)
  - Operation, Maintenance and Administration Part (OMAP)
  - 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
- Warning Tone Trunk (WTT)

ANCILLARY PRODUCTS

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

OPTIONAL FEATURES

- 800 dips via SS7
- Fax over IP (T.38) and Modem over IP (V.150.1)
- GR-303
- Lawful Intercept (CALEA): US J-STD-025A & US J-STD-025B
- Local Number Portability
- SS7 Signaling
- TCAP CNAME
- V5.2

OPTIONAL MODULES

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

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