REDCOM SLICE® 2100™ V5.1 Features & Specifications

PRIMARY CONFIGURATIONS
- Class 5 End Office
- Class 4 Tandem/Transit Exchange
- Media Gateway
- International/IP Gateway
- Call Manager

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
- Power:
  - −48 VDC; 2.3 amps
  - 100/220 VAC, 50–60 Hz (external rectifier)
- Environment
  - Operating temperatures: 32–122 °F / 0–50 °C ambient
  - Operating humidity: 5%–90% (non-condensing)

SYSTEM ARCHITECTURE
- Distributed Control
- Hot-Swappable Interfaces
  - Two bays for field-replaceable modules
- Carrier-Class Reliability: 99.999% ("five nines")
- Two 10/100 Ethernet Ports
- Two dedicated E1/T1 Ports
- Serial Interface (Dual RS-232/9-Pin)
- 48-Hour Protected RAM
- Stackable up to 3 units (up to 6,000 IP subscribers)
- Traffic: 36 ccs (1 Erlang) per Port (non-blocking)

OPTIONAL MODULES
- 12-Port Analog Line Module
- 24-Port Analog Line Module
- Analog Trunk Module
  - Loop, E&M, G/LSRD
- Multi-E1/T1 Module
- Media Gateway Module
- Radio Interface Module

SYSTEM FEATURES
- Administrative Package
- Call Records SMDR/CDR/LAMA
  - Bellcore AMA Format (BAF)
- Emergency Services (911)
- Least Cost Routing
- Local Number Portability (LNP)
- Multiple Home Exchanges
- Percentage Trunking
- REDCOM ClusterNet™: host/remote for integrated network operation
- Three PIC Equal Access
- Toll Restriction
- User Defined Announcements
- Voice Mail System Interface
- Zone Paging

NETWORK MANAGEMENT
- E-Mail: maintenance notes and traffic usage reports to any e-mail address
- Management of multiple systems via REDCOM MAUI
- SNMP support for alarms and system monitoring

CLASS℠ & BILLABLE FEATURES
- CLASS Features
- Automatic Call Distributor (ACD)
- Automated Call Processing (ACP)
- Broadcast Ringing
- Call Screening & Privacy Features
  - Anonymous Call Rejection (ACR)
  - Selective Call Rejection (SCR)
  - Selective Call Acceptance (SCA)
  - Telemarketer Do Not Disturb (TDND)
- Caller ID (Name and Number Delivery)
- Centrex (IP and TDM)
- Conferences
  - Conference Control
  - Preset, Meet-Me, Progressive
  - Optional Password Protection
  - Loudest Party Talker
  - Firebar
- Customer-Originated Call Trace
- Hotlines
- Single Number Services (Find Me)

ACCESS SOLUTIONS
- Broadband Loop Carrier (BLC)
- Direct wire 2-wire subscribers
- FXO/FXS
- GR-303
- ISDN BRI
- MSAN
- Radio
- SIP
- V5.2

SIGNALING & PROTOCOLS
- A-Law/μ-255 Law PCM Conversion
- DTMF & RFC 2833
- E&M
- FXO/FXS
- GR-303
- GSRD/LSRD
- ISDN PRI (4ESS, 5ESS, NI1, DMS100, & Euro)
- ISDN BRI (5ESS, NI1 & Euro)
- MF/R1, FG-C&D
- MFC R2
- Radio Interface
- SIP RFC 3261
- SS7
  - 800 dips via TCAP
  - ANSI SS7 & ITU C7
  - LNP via TCAP
  - TCAP CNAME
- T1/E1
- V5.2

REDCOM TRANSIP® IP TECHNOLOGY SUITE
- Up to 2,000 registered IP subscribers per unit
- SIP Call Controller/Call Manager
- SIP Trunking
- Dual Stack IP (IPv4, IPv6)
- Audio Streaming RTP (RFCs 3550, 3551, 3389)
- Comfort Noise Generation
- DHCP client
- DNS client
- Echo Cancellation: G.165, G.168 (up to 128ms)
- Fax over IP (T.38) and Modem over IP (V.150.1)
- IMS Compatible
- IP Bandwidth Management
- Legacy Interface Support
- Media Gateway
- MGCP/NCS Line Support (Packetcable 1.5)
- Network Time Protocol (NTP)
- QoS: IP Differentiated Services (DiffServ) marking
- RFC 3261, 3326, 4028
- SDP Manipulation
- Silence Suppression

(continued)
- SIP support for CLASS lineside features
- System CRON Timers
- Telephony Tones: RFC 4733
- VLAN Tagging
- VoIP (SIP standards-based)

CODECS
- G.711A&μ (64kbps PCM)
- G.722.1 & G.722.2 (HD Voice)
- G.723.1H&L
- G.726 (16, 24, 32, 40kbps ADPCM)
- G.729A&B (8kbps CS-ACELP)
- iLBC
- RFC4040 (64 kbps)
- Fax over IP: T.38, Media Gateway Conversion (MGC) & Auto
- Modem over IP: V.150.1

COMPLIANCE
- CALEA: TIA J-STD-025A and J-STD-025B
- Electromagnetic compatibility: FCC Part 15 Class A
- Industry Canada CS-03
- TIA-968-A

SECURITY
- Distributed Control
- Lawful Intercept (CALEA): US J-STD-025A & US J-STD-025B
- PIN Number Authorization
- Priority Override
- RADIUS Authentication
- SRTP
- TLS
- User Level Security

APPLICATION DEVELOPMENT
- Application Programming Interface (API)
- Computer Telephony Integration (CTI)
- External Database
- Host Control Interface

WIRELESS CAPABILITIES
- Radio Interface (VOX, COR, PTT)
- Wireless IP Subscribers

ANCILLARY PRODUCTS
- Maintenance and Administration Graphical User Interface (MAUI)
- Link Command System (LCS): Operator/Directory Assistance