REDCOM SLICE® 2100 Micro

POWERED BY TRANSip®

- *UC Certified Local Session Controller (LSC)*
- *Supports AS-SIP (UC) Requirements, MLPP*
- *Manages Up to 2,000 Registered SIP Subscribers*
- *Integrated SIP Call Manager & Media Gateway*
- *Configurable Conferences with over 60 Participants*
- *IPv4/IPv6 Dual Stack*

OVERVIEW

The SLICE 2100 Micro packs the communications power of REDCOM's SLICE 2100 into a box as small as a hardcover book. With an integrated Media Gateway, Media Gateway Controller, SIP Call Controller, and legacy support, the SLICE 2100 Micro provides maximum interoperability in an extremely compact package.

The SLICE 2100 Micro can function as a Local Session Controller (LSC), delivering extensive UC capabilities including AS-SIP, MLPP, IPv4/IPv6 dual stack, V.150.1, seamless TDM/IP interoperability, and much more.

SLICE 2100 MICRO IS ON THE DISA UC APL

The SLICE 2100 Micro is on the Unified Capabilities (UC) Approved Products List (APL) and certified for use as a Local Session Controller (LSC) by the Defense Information Systems Agency (DISA) Unified Capabilities Certification Office (UCCO). Warfighters on today's modern battlefield can be confident that their calls will get through, backed by the reliability and extensive interoperability of REDCOM products operating in a Joint environment.

PRECEDENCE AND PREEMPTION

The SLICE 2100 Micro provides industry standard Multi-Level Precedence and Preemption (MLPP) for comprehensive end-to-end warfighter communications. This essential element of command and control ensures that the most important calls get through during crisis situations.

EXTENSIVE CONFERENCING CAPABILITIES

The SLICE 2100 Micro supports several conferencing styles, including "progressive" (participants added one at a time), "meet-me" (participants meet at a specified time), "preset" (conference controller initiates the event, adding participants as they answer) or any combination of these three methods.

TRANSPORTABILITY REDEFINED

Easily transportable for tactical communications and powerful enough for strategic applications, the SLICE 2100 Micro offers a complete converged communications solution in a very small package. It is ideal for essential portable applications such as deployment to military communication shelters, remote encampments and tent cities. When packaged in its ruggedized carrying case, the SLICE 2100 Micro still fits in the overhead compartments of small commercial aircraft.

Reliable. Rugged. Ready.
REDCOM.

Right: The SLICE 2100 Micro is as portable as a briefcase

Below: The SLICE 2100 Micro packaged inside the rugged transit case

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PROUDLY DESIGNED, BUILT & SERVICED IN THE USA

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REDCOM SLICE® 2100 Micro V4.0 Specifications

DIMENSIONS
- Width: 10.3 in / 26.2 cm
- Height: 1.9 in / 4.8 cm
- Depth: 6 in / 15.2 cm
- Weight: Less than 3 lbs. / 1.3 kg

POWER
- 12–24 VDC @ 18.5 watts
- External AC Adapter

SYSTEM ARCHITECTURE
- Carrier-Class Reliability: 99.999% ("five nines")
- Two 10/100 Ethernet Ports
- Two 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
  - Support for Primary Rate ISDN
    - 4ESS & 5ESS Protocol
    - National ISDN-1
    - DMS100
    - Euro ISDN
- 6 Digital Signal Processors (DSPs) configurable for use with TRANSip, DTMF, MF/R1, MFC R2, SS7 COT
- Two Line Circuits
- Serial Interface (RS-232/9-Pin)
- PCMCIA Card Slot
- 48-Hour Protected RAM
- Traffic: 36 ccs (1 Erlang) per Port (non-blocking)

SYSTEM FEATURES
- Administrative Package
- Call Records SMDR/CDR/LAMA
- MLPP & 619a
- Percentage Trunking
- REDCOM ClusterNet™: host/remote for integrated network operation
- Time-of-Day Database Changes (Least Cost Routing)
- Toll Restriction
- User Defined Announcements
- Voice Mail System Interface

NETWORK MANAGEMENT
- E-Mail: maintenance notes and traffic usage reports to any e-mail address
- SNMP support for alarms and system monitoring

CLASS℠ FEATURES
- CLASS Features
- Automatic Call Distributor (ACD)
- Automated Call Processing (ACP)
- Broadcast Ringing
- 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)
- FXO
- GR-303
- SIP

SIGNALING & PROTOCOLS
- A-Law/μ-255 Law PCM Conversion
- Direct Inward Dialing (DID)
- Direct Outward Dialing (DOD)
- DTMF & RFC 2833
- E&M
- FXO
- GR-303
- ISDN PRI (4ESS, 5ESS, NI1, DMS100, & Euro)
- MF/R1, FG-C&D
- MFC R2
- SIP RFC 3261
- SS7
  - 800 dips via TCAP
  - ANSI SS7 & ITU C7
  - LNP via TCAP
  - TCAP CNAME
- T1/E1

REDCOM TRANSIP® IP TECHNOLOGY SUITE
- Up to 2,000 registered IP subscribers per unit
- AS-SIP
- SIP Call Controller/Call Manager
- SIP & AS-SIP Trunking
- Domain Name System (DNS)
- Dual Stack IP (IPv4, IPv6)
- Audio Streaming RTP (RFCs 3550, 3551, 3389)
- Comfort Noise Generation
- Dynamic Host Configuration Protocol (DHCP) 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
- Network Time Protocol (NTP)
- QoS: IP Differentiated Services (DiffServ) marking
- RFC 3261, 3326, 4028
- Session Description Protocol (SDP) Manipulation
- Silence Suppression
- SIP support for CLASS lineside features
- System CRON Timers
- Telephony Tones: RFC 4733
- VoIP (SIP standards-based)

CODECS
- G.711A&μ (64kbps PCM)
- G.723.1H&L
- G.726 (16, 24, 32, 40kbps ADPCM)
- G.729A&B (8kbps CS-ACELP)
- iLBC
- RFC 4040 (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
- Call Monitoring: US J-STD-025A & US J-STD-025B
- Certificates
  - SSL 3.0, TLS 1.0 through 1.2
  - X.509 Certificates
  - PKI (Public Key Infrastructure)
  - PKCS #7, #8, #12 (Certificate & Key file formats)
  - OCSP (Online Certificate Status Protocol)
  - Trust Points
  - Algorithms: RSA, AES, 3DES
- Distributed Control
- PIN Number Authorization
- Priority Override
- RADIUS Authentication
- SRTP
- TLS
- User Level Security

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

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

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