

REDCOM HDX Version 3.1

Selected Carrier Class Features and Capabilities

The following are the available software features for the REDCOM HDX voice switching system. Some of the features listed here are configuration-dependent and optional, and they may be ordered separately.

General Features

- 800 Services
- 911 Service
- A-Law/ μ -255 Law PCM Conversion
- BASIC
- Clock Synchronization
- ClusterNet™ Technology
- Data Protection (Digital, Analog Lines)
- Dual PCMCIA PC-Card Slots Per Controller Board (Database Save/Restore)
- Dual RS-232 Links Per Shelf
- E-mail Support
- Expanded Digital Announcer (XDA)
 - ◆ Prerecorded Announcements
 - ◆ CLASSSM Feature Announcements
 - ◆ Change Number Announcements
- Flexible System Timers
- Flexible Ring Tables
- Flexible Tone Tables
- Mixed DP/DTMF Station Dialing
- Nodal and Tandem Network Operation
- PIN Number Authorization
- Powerful Translator
- Recording of Announcements
- Redundant Shelf Control
- Scalable Operator Platform
- Traffic Service Position System (TSPS) Signaling
- Trunk-to-Trunk Answer Return
- User Defined Announcements
- User Recorded Announcements

Network Interfaces & Protocols

- Coin Lines (Prepay or Semi-Postpay)
- Equal Access/Feature Group D
- Euro-ISDN
- Feature Group C
- Flexible Numbering Plans
- Flexible R2 Backward Digit Mapping Tables
- FXO/FXS Support
- Ground / Loop Start Ringdown Trunks
- Individual Trunk Selection
- ISDN Primary Rate Interface (PRI)
- ISDN Basic Rate Interface (BRI) S&U
- MF Register Signaling
- Multi E1/T1 Board
 - ◆ Single Board with up to 4 spans, each can be configured in the field as T1 or E1 interfaces
 - ◆ Onboard DSP supports in-band signaling protocols and echo cancellation
- R2 Interregister Signalling
- Signalling System 5 (SS5) digital & analog
- Signalling System 7 (SS7)
 - ◆ LNP support
 - ◆ TCAP CNAM support
 - ◆ 800 look up services
- Switched 56 Data Service
- Three PIC Equal Access
- Voice Mail System Interface

Lawful Intercept

- CALEA Support (J-STD-025-B)

Tandem/End Office Features

- 900 Call Blocking
- Account Codes
- ANI (MF and PRI Based)
- Anonymous Call Rejection
- Automated Call Processing (ACP)
- Automatic Callback, Busy Station
- Broadcast Ringing
- Business Features
 - ◆ Call Hold
 - ◆ Call Park
 - ◆ Call Pickup
 - ◆ Call Waiting
 - ◆ Camp-on
- Busy Verify Trunk
- Call Center Features
- Call Following (Remote Call Forwarding)
- Call Forwarding
- Call Trap
- Caller ID (Name and Number Delivery)
- Caller ID Call Waiting
- Calling Name Delivery Blocking
- Calling Number Delivery Blocking
- CLASSSM Feature Service Groups
- Direct Dialing (DID/DOD)
- Flexible tone generation for international call progress tones
- Host/Remote Capability
- Hunting (Station)
- Hunting (Trunk, Circular, Homing)
- Inspector's Ringback
- International Features

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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- Large Conference Capabilities
- Last Number Redial
- Message Waiting Services
- Multiple Console Groups
- Multiple Home Exchanges
- Music-On-Hold Access
- Off-Hook Service
- Route Treatments with Alternates Remote Restrictive Dialing List
- Selective Station Disable
- Shared Station Numbers
- Speed Dialing (System/Individual)
- Teen Dialing
- Transfer with Consultation Hold
- Wake Up Services
- Warm Line Service

VoIP Technology Suite

- TRANSip®
 - ◆ Select SIP-based features
 - ◆ Domain Name System (DNS)
 - ◆ Dual Stack – IPv4 and IPv6
 - ◆ Dynamic Host Configuration Protocol (DHCP)
 - ◆ IP Bandwidth Management
 - ◆ IP Trunking
 - ◆ Legacy Interface Support
 - ◆ Media Gateway
 - ◆ Network Time Protocol (NTP)
 - ◆ Silence Suppression
 - ◆ SIP Call Controller/Call Manager
 - ◆ VLAN Tagging
 - ◆ Voice Compression (G.711, G.723.1, G.726, G.729AB)
 - ◆ VoIP
 - ◆ VoIP Phones Support Legacy Features
- Fax over IP (FoIP): T.38, Media Gateway Conversion (MGC) & Auto
- Modem over IP (MoIP): V.150.1

Remote Digital Terminal Interoperability

- GR-303 Line Signaling Protocol
 - ◆ Interface to Integrated Digital Loop Carrier Systems
 - ◆ Line Circuit Concentration
- V5.2 Line Signaling Protocol
 - ◆ Interface to Integrated Digital Loop Carrier Systems
 - ◆ Line Circuit Concentration
- TR-8 POTS FXO Emulation

Operation, Administration & Maintenance (OA&M)

- Automatic Trunk Testing
- Diagnostic Circuitry
- Direct Trunk Group Selection
- Maintenance and Administration User Interface (MAUI)
- Note Filtering
- Remote Access to Alarms
- Remote Administration and Diagnostics
- Send and Receive Database Files
- Send Maintenance Notes and Traffic Dumps to Any E-mail Address
- Traffic Metering Packages
 - ◆ Enhance Existing CDR Features
 - ◆ Create User Defined “profiles” for Common Reports
- Visual Alarm Indications

Wireless Capabilities

- Radio Line Interface (VOX)
- Radio Trunk Interface (PTT)
- Wireless Support (Selected Technologies)

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