

REDCOM HDX Version 3.0 for Government & Defense

Selected 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

- 3 Digit Tone Burst Trunk (3DTBT)
- 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)
 - ◆ DSN Announcements
 - ◆ User Defined Announcements
- Flexible System Timers
- Flexible Ring Tables
- Flexible Tone Tables
- Link Command System
- Mixed DP/DTMF Station Dialing
- Nodal and Tandem Network Operation
- PIN Number Authorization
- Powerful Translator
- Redundant Shelf Control
- DSN (ANSI 619a)
- DSN PRI
- DSN T1 CAS
- E&M
- Euro-ISDN
- Flexible Numbering Plans

- 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
- Signalling System 7 (SS7)
 - ◆ LNP support
 - ◆ TCAP CNAM support
 - ◆ 800 look up services
- Type 36
- Voice Mail System Interface

Tandem/End Office Features

- Account Codes
- ANI (MF and PRI Based)
- Anonymous Call Rejection
- Automatic Callback, Busy Station
- Broadcast Ringing
- Business Features
 - ◆ Call Hold
 - ◆ Call Park
 - ◆ Call Pickup
 - ◆ Call Waiting
 - ◆ Camp-on
- Busy Verify Trunk
- 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
- Conferencing
 - ◆ Flexible
 - ◆ Meet-me
 - ◆ Preset
 - ◆ Secure
- Direct Dialing (DID/DOD)
- Host/Remote Capability
- International Features
- Last Number Redial
- Message Waiting Services
- Multiple Console Groups
- Multiple Switch Codes
- Music-On-Hold Access
- Hotline
- 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

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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Operation, Administration & Maintenance (OA&M)

- 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

- Federal & Civilian Radios
- GSM Interface
- Radio Line Interface (VOX)
- Radio Trunk Interface (PTT)
- Tactical & Trunked Radios
- Wireless Support (Selected Technologies)

IP Technology Suite

- TRANSip® Call Manager
- Domain Name System (DNS)
- Dual Stack – IPv4 and IPv6
- Dynamic Host Configuration Protocol (DHCP)
- IP Bandwidth Management
- IP Trunking
- Media Gateway
- Network Time Protocol (NTP)
- Silence Suppression
- SIP Call Controller/Call Manager
- 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

Secure Interoperability

- SCIP
- GSM Type 1
- Iridium Type 1
- KY-68/R & KY-68 Long Local
- LTU/TIA
- MLPP
- NBS (Narrowband STE)
- Secure Dial
- Secure Tactical Radios
- STE
- STE-R
- STU-III
- SWT-R
- TIA-TED (Red T1)

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