

Digital Voice Recording System (DVRS)



This system has 2 independent audio storage systems:

- A. Instant Access Buffer
- B. Archive Media

These two systems need to be configured for the required retention time.

For example: a 30 channel, 2:1 compression, continuous recording, for 45 days produces 467 GB of data. The Instant access buffer & the ARCHIVE HDD should be > 467 Gbyte to hold 45 days at the continuous recording. Because VOX is used, the needed capacity is much smaller. Both systems can be set not to hold more than for example 45 days of recording.

Using a DVD RAM as archive: If DVD RAM is used, the storage per site is 4.7 GB, which will not hold a 24-hour period. DVD RAM disks, depending on recording activity, have to be changed quite frequently. The instant access system still can be configured to hold 45 days and will always transfer to DVD RAM from the time the RAM disk is reported full. Nothing will be lost during the DVD RAM changing operations. Best results (system reliability) are achieved by using only hard disk drives. Recordings of interest can be removed during recording and played in other compatible systems.

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- Components**
- I/O Panel
 - Panel Supply
 - Raid Enclosure
 - Recording Card
 - Front Accessible 3.5" HDD slot

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- Features**
- Temperature: Operating
 - Operating Gradient
 - Non-Operating
 - Relative humidity: operating
 - Non-Operating
 - Shock: non-operating

When reliable communication matters, there is no way around a powerful digital voice communication switch.



TELEGENIX

A Leader in Voice Communication Switching Systems

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Hardware

1u Ultra-Compact Rack Mount Chassis

- Material of Chassis > 1.2mm SECC Zinc-Coated Steel
- Switches > Power ON/OFF, System & Alarm Reset
- Indicators - LEDs > Power ON/OFF, HDD, Fan & ALM
- Power Supply > Input 90-264Vac, 47Hz to 63Hz
- Power Consumption > 80-100 Watts at 119VAC
- FCC Requirement > Part15, SUB-Part J, Computing, Devices "Class A" Limits
- Weight > Fully Equipped 21 pounds (9.54kg)
- Dimensions > (WXHxD) 19x1.75x20 inch

Long Life Cycle-Industrial Mother Board

- Processor > Intel Core 2 Duo E8400 3 Ghz, LGA775 socket
- Chipset > Q35 Express GMCH chipset & ICH9DO
- Memory > 2 GB (max 8GB)
- RAID > Build in RAID controller (RAID 0,1,&5)
- Network > Dual Intel Gigabit Ethernet (2xRJ45)
- SATA > 6 Devices (used for HDD)
- USB > One on front-12 internal
- Operating System > MS XP Pro or embedded

Removable Hard Drive

- > 1x5.25" to 4x2.5: SATA Hot-Swap
- > Black Place RAID Cage
- > Support RAID 0,1,5 Four hot swap
- > Removable HDD
- > Up to 1.5 Terabyte
- > Two (2) extra 3.5" Bays
- > 1 front accessible

Dimensions & Weight

- MTBF reliability prediction > at 35C 215,186 hours
at 55C 112,787 hours
- MTTR specified > to be 30 Minutes

Note: hardware only, no DVD RAM or other non-HDD media.

Environmental

- > 0° to 55°C
- > +/- 5° C per minute
- > -40°C to 70°C (5°C max/minute)
- > 15% to 95% non-condensing
- > 15% to 90% non-condensing at 40°C
- > 50 G 11ms, half since, 3axis

Recording Software

MDR E1 Recording Application

- > Stand alone operation
- > Standard SQL call database
- > Standard SQL call database
- > Up to 60 E1 recording timeslots per server
- > (30 TS S=standard)
- > Selectable voice compression 1:1, 2:1 or 4:1
- > Live monitoring, real time channel active indication
- > Sizeable audio buffer without HDD fragmentation
- > Annotate recordings
- > Archive to removable Hard drive
- > Adjustable call retention interval for audio buffer, and archive
- > Convert to *.wav or Mp3 & export recordings onto USB device
- > Loud local and remote alarm

Dependable voice communications are essential in national defense and public safety. Therefore, it's not surprising that PROCOM is the supplier of choice for a wide variety of vital military and civilian applications.

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