Remote Site Voice Logging System Component
Reveal 1000

Product Description

Voiceboard's Reveal™ 1000 Voice Logging System is a remote site component for logging of voice traffic over T1/E1/J1 spans employing CAS, ISDN or SS7 signaling.

Reveal 1000 operates in high impedance bridging mode without affecting normal operation of the T1/E1 spans being monitored. Acquired voice data is sent to a centralized monitoring location via an IP (Internet) network.

Configuration and maintenance of the Reveal 1000 may be performed using any PC equipped with a web browser, either from a local or remote location. System security is maintained by an encrypted username and password database that controls system access.

Product Features

- Modular capacity expansion.
- Called party ID logging.
- Calling Party ID logging.
- Transmit and receive side audio merging on board.
- Date and time stamps on recorded files.
- Conversion of audio to IP data streams.
- Dual redundant IP links.
- Optional encryption of IP data.
- Customer retrieval of archived audio data via IP using a standard PC.

Product Benefits

- High channel capacity monitoring reduces system space requirements and power consumption.
- Remote maintenance for simplified upgrades and field support.
- Dual100 baseT Ethernet ports support fault tolerant and distributed monitoring configurations.
- Hot swap allows mission critical systems to continue operation during maintenance and upgrade procedures.
- Browser-based display simplifies checking of current system status.
- Encrypted IP voice data stream option provides secure data transmission.
- High impedance bridging mode simplifies installation.

Applications

- Financial Services transaction logging.
- Call Center traffic logging.
- Emergency services logging.
- Airport Control Tower traffic logging.
- Quality of service monitoring and logging.

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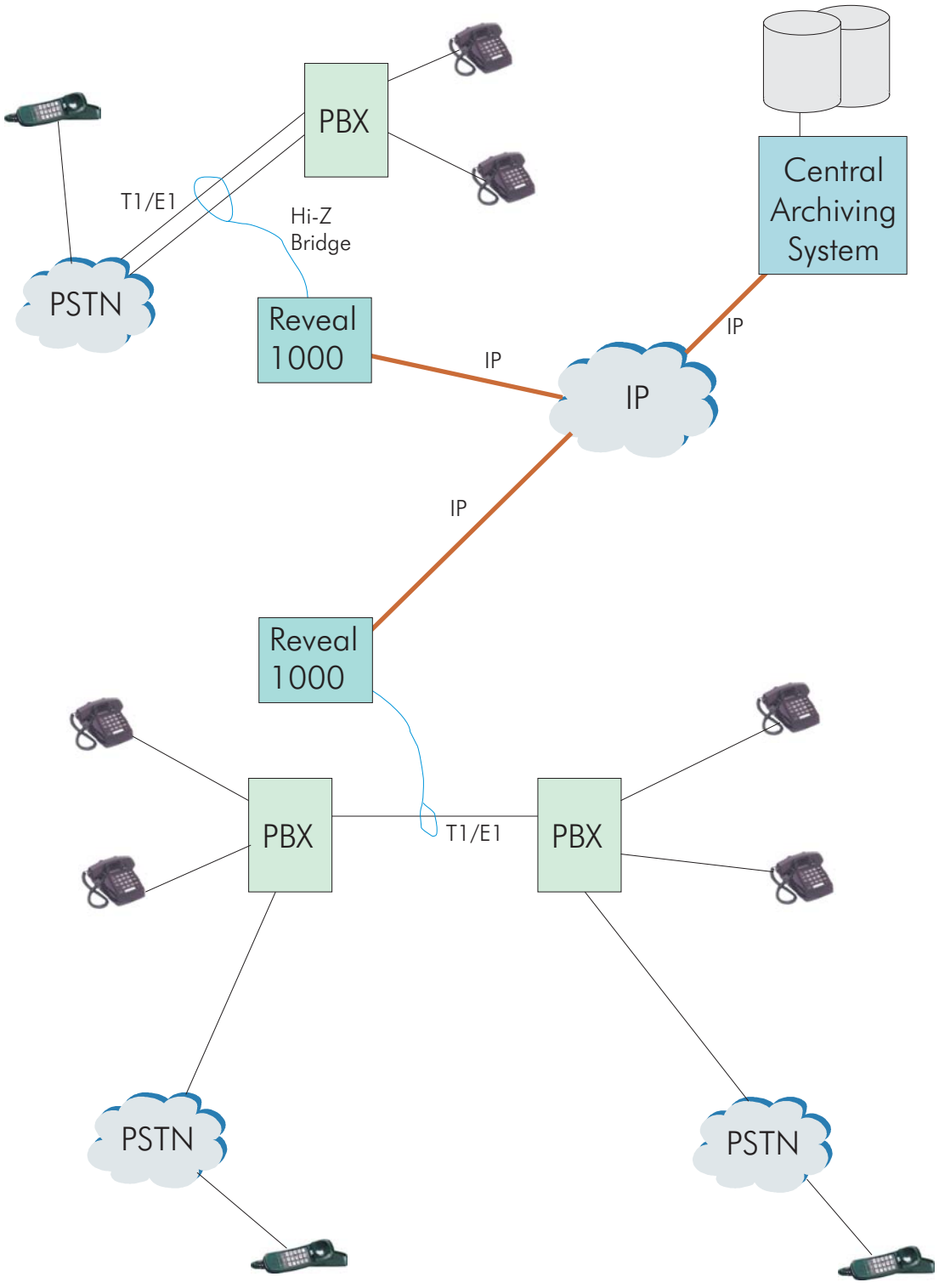
Voice Logging System Overview



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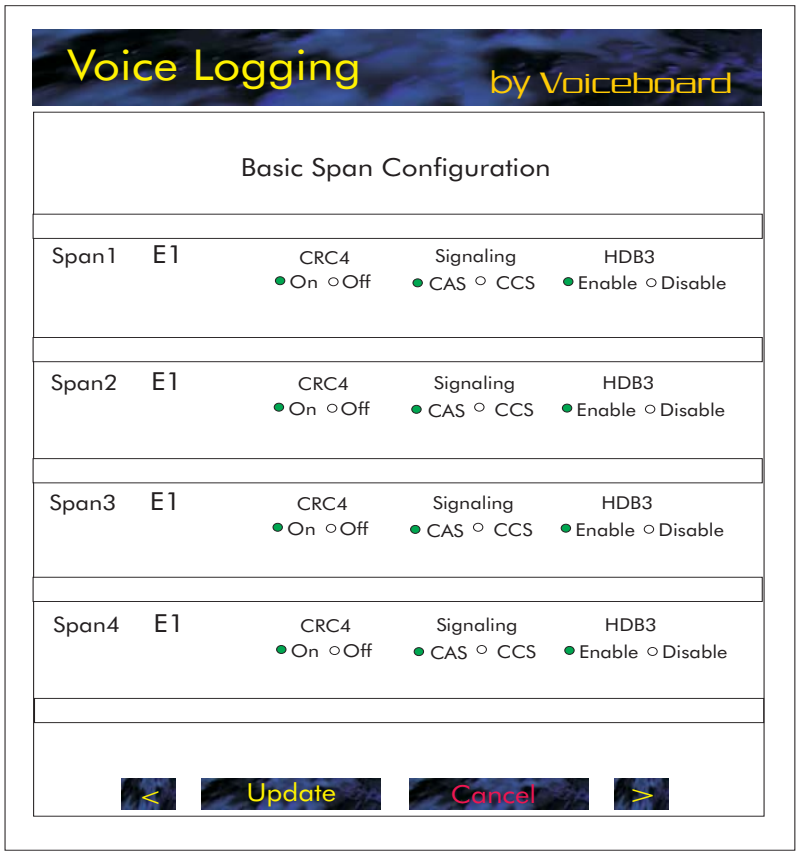
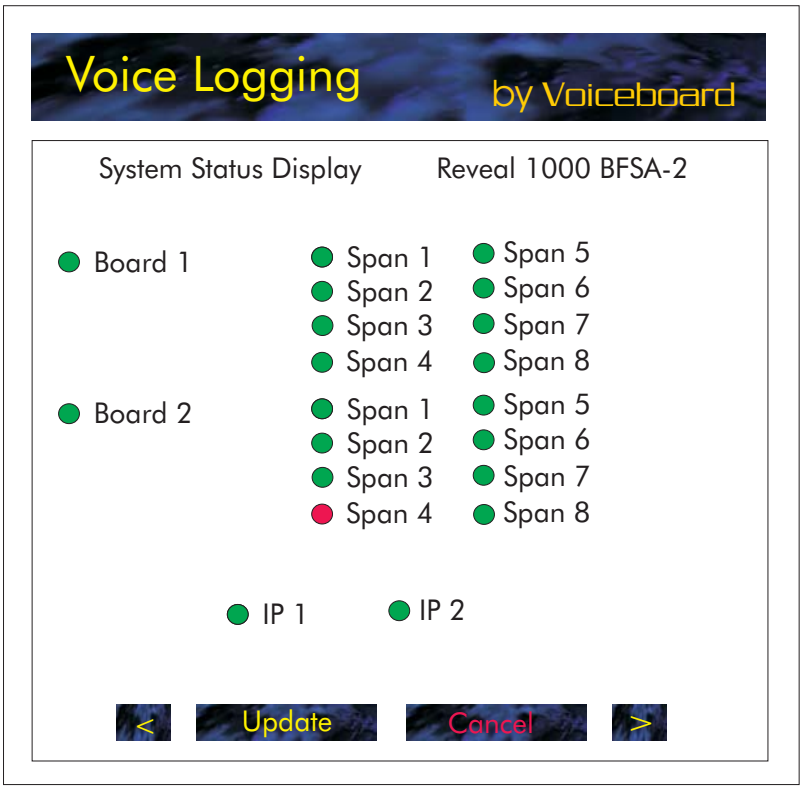
Example System Screens





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Voiceboard Remote Voice Logging System

T1/E1/J1 Interface Module:

T1/E1/J1 interfaces per card

4 or 8

Bridging Impedance

1120 ohms

Signaling

CAS, ISDN or SS7, all global switch and country types available.

PSTN Network Connectors

Octal RJ48 connectors on rear transition module.

Panel Displays

Span active, span alarm, clock source/ error, bus fail, board fail and ethernet link status.

On-Board Software

BIT diagnostics test microprocessor memory, TDM bus timeslot interchange, T1/E1 resources, ethernet ports and DSP resources. Firmware for frame and multi-frame alignment, performance monitoring, signaling extraction and access to raw signaling data.

Standards

ANSI T1.403-1989, AT&T TR 62411 (12-90), CCITT G.703, G.704, G.706, G.823 and I.431; ISDN Q.921 and Q.931; MTP 1&2 ANSI 88 & 92, CCITT 88 & 92.

Timing Reference

Software selectable from recovered span clock or internal oscillator.

CompactPCI Bus

CompactPCI Bus Interface: 32-bit PCI signaling utilizing P1 and P2 connectors.

Compliance: IEC 917, IEC 1076-4-101, IEEE 1101.1, IEEE 1101.10, PICMG 2.1

Hot Swap

T1/E1/J1 modules support the PICMG 2.1 High Availability level hot swap specifications.

High Availability hot swap allows for remote diagnostics, board shut off and replacement activation. (Manual board insertion and removal is also supported).

Dual 10/100 Base-T Ethernet Ports

Dual independent 10/100 Base-T ports support software downloads and remote host communications, as well as HA configurations.

Dual 10/100 Base-T RJ45 connections accessible on rear transition module.

DSP Module:

DSP's

TMS320C5441 fixed point DSP processors.

Shared DSP Cache Memory:

16 Mbytes common to DSP array.

Record/Play Resource:

Record/Play resource provides channelized data transfers between DSP HPI's and dual port memory.

Memory buffers are programmable by DS0. Buffer data timestamp features.

Reveal 1000 Enclosure:

Dimensions (W x H x D)

441 x 88 x 359 mm
(17.3 x 3.5 x 14.1 inches)

Power Requirements

100v ~ 240 VAC, 47 ~ 63 Hz, 50 watts.

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