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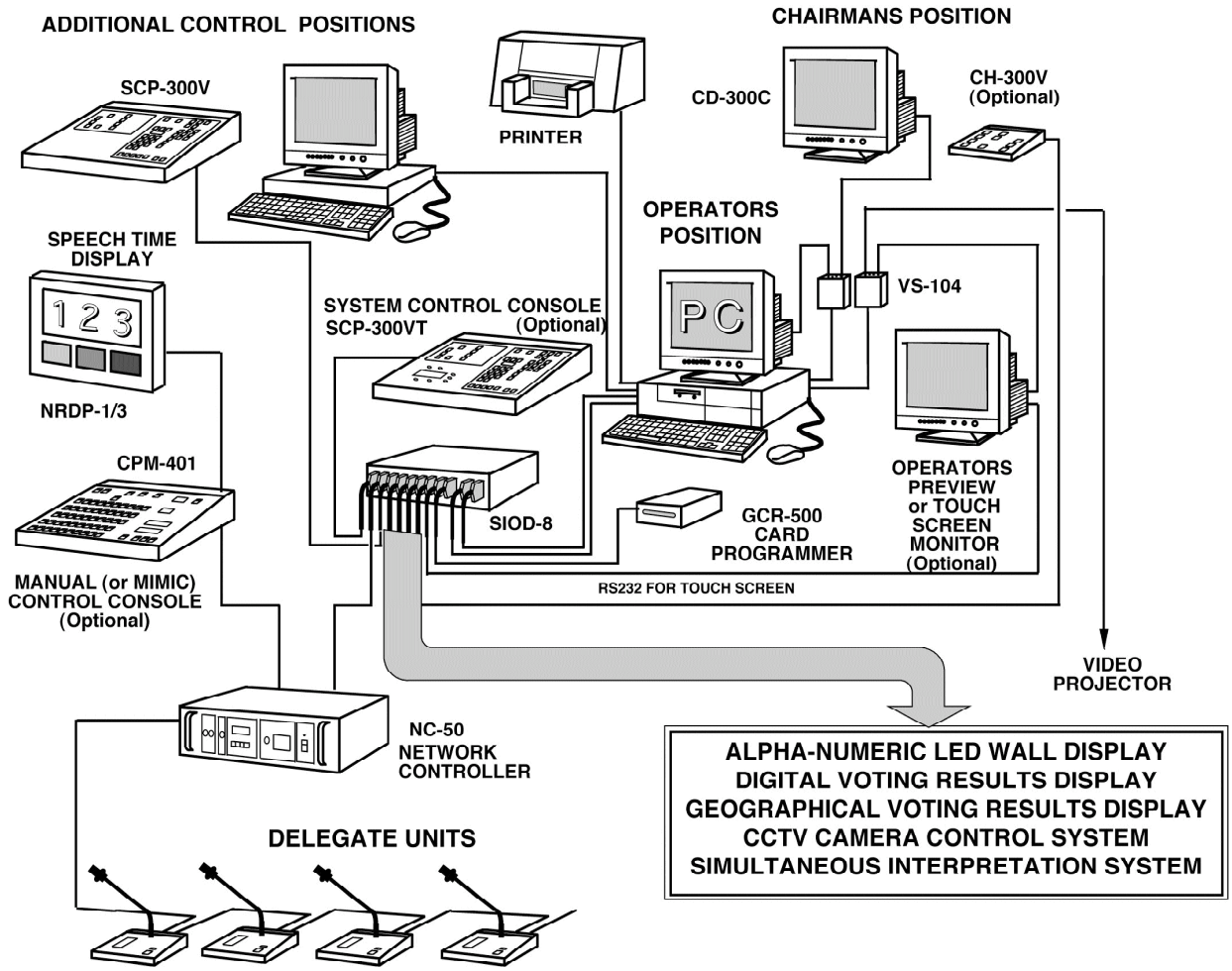
IDN
COMPUTER CONTROL SYSTEM



The computer based system allows an operator to control all aspects of the configuration and operation of an Auditel IDN conference system using a PC running custom application software. The conference system may include microphone control, voting (Parliamentary and Multiple-choice modes), delegate identification using electronic cards, and simultaneous interpretation.

The computer can also control a wide range of conference data display facilities including printers, alpha-numeric wall displays, digital voting results displays and custom geographical display panels. In addition, the video displays can be distributed to external video monitors, video walls and video projectors. The computer can also control a CCTV system which automatically displays the image of the current speaker.

The computer connects via an 8- port serial input/output connection unit to the Network Controller which is the central controller and PSU for the conference system. In a basic system the PC is used alone and operations are controlled with the mouse. For greater flexibility and ease of switching several other control units can be added. The System Control Console allows faster operation without software manipulations, and the second monitor provides a preview of voting results presentation. Alternatively, a touchscreen monitor dis- playing a synoptic mimic can be added.

Additional control positions can be provided by networking one or more computers to the PC. Alternatively a manual switching con-sole or mimic switching panel can be connected to the second input on the Network Controller to pro-vide parallel manual switching.

Computer

Virtually any modern IBM-compatible PC can be used. The recommended manufacturer is IBM and the sales office will advise on the optimum current model. Where the computer is supplied by Auditel, the application software and the quad i/o cards with custom firmware (QSP-4) are installed by the factory. It is usual to fit two of these cards to provide a total of 8 serial ports. If a touchscreen or second (preview) monitor is added a dual SVGA adaptor card (PLS) is also required.The essential minimum of the computer specifications are as follows:-

Processor (Pentium III)	675MHz
Memory (min)	64MB HD
L2 Cache (min)	512KB
HD (min)	10 GB
ISA expansion slots	3
Universal serial bus (USB) ports	2
Serial/parallel ports	2/1
Internal CD drive	40x MAX

Serial I/O Interface Unit (SIOD-8)

The serial links from the computer are combined in multi-conductor cables and these are available on the SIOD-8 to allow connection of individual peripheral units. The connections are as follows:-

Serial links to PC	37-pin "D" type ((M) qty 2)
Links to peripherals	37-pin "D" type (F) (qty 8)
Speak slowly function	8-pin "Cinch" (M) (qty 1)
DC for auxiliaries (2)	screw terminals

The allocation of the function of the eight i/o ports is determined by the software configuration and varies from system to system.

Video Distribution Amplifier (VS-104)

This is a 4-output SVGA distribution amplifier and is required for a chairmans monitor, external monitors or video projector. The maximum cable run is 65m.

System Control Console (SCP-300VT)

The system can be controlled directly from the PC using the mouse and keyboard. However an optional system control console can be added if manual controls are preferred. The SCP-300V console contains a microphone management panel, and a voting control panel, and SCP-300VT version also has an automatic speech timer speech timer.

MICROPHONE SYSTEM CONTROLS

DELEGATE or CENTRAL control modes.
NORMAL, AUTO and DISCUSSION modes.
MIC ON switches for CH, P1. and Q1-Q5.
MIC OFF switches for CH and M1-M4.
CLEAR REQUESTS and CANCEL MIC switches.
PAGE button to review request list.
Keypad to ENTER or DELETE delegate in the request list and to activate MESSAGE WAITING .
DISPLAY/CANCEL/SEND messages to display.

VOTING SYSTEM CONTROLS

AUTO mode selector.
START/HOLD/RESET (manual mode).
T1, T2 preset times with display (1-99mins.).

AUTOMATIC SPEECH TIMER (WHEN FITTED)

MODE (open/delayed/secret).
COUNTDOWN TIME (90/60/30/sec. or manual).
Voting period (START/HOLD/STOP/RESET).
PRINT INHIBIT (automatically in secret vote).

CHAIRMANS CONTROL UNIT (CH-300V)

A 15" SVGA colour monitor operating in parallel with the operators screen. Displays system status including speakers names/requests and votes.

CHAIRMANS VIDEO MONITOR (CD-300C)

PAGE control to review request list, SPEAK SLOWLY indicator/reset switch, and voting period controls (START/HOLD/STOP/RESET).

Architects and Engineers specification

The computer system shall control a conference system with microphone management, voting, and simultaneous interpretation. It shall also control conference data distribution peripherals including printers, alpha-numeric LED wall displays, digital and geographical voting results displays and CCTV systems which automatically display the current speaker. In addition it shall distribute video data to external monitors and video projectors. The system shall have a system control console, an optional preview screen or a touchscreen monitor with synoptic mimic facility. It shall comply with IEC 914.

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