STREME vNOC: DATA PORT CONTROLLER: Technical Data Sheet

Streaming Controller

Software Specifications

1) Operating System Features: High- power hardware support for Intel core 2 Quad, runs on XP Professional OS, capability to install any device driver at a later date to communicate with any hardware on any communication port. Writing can be only done by authorized service personnel, the system must auto log on, no mouse and keyboard required for startup, anti-virus pre loaded.

2) Multimedia Capability Support: Tickers, label, image, movie, flash files, IP Camera Integration, External Application, PowerPoint viewer, Excel Viewer, Ability to display time, date, countdown timers etc, RSS news feeds from internet support, Regional languages ticker support. Ability to integrate excel sheets, external applications in movable, resizable windows.

3) Desktop streaming client server architecture: To capture real time information from multiple sources to collate on a single display array. Optimized streaming of desktop gives the efficient streaming rate using minimum system resources, it ensures the maximum resources free for other application in the application PC/Server.

4) Integration and interfacing features: Horizontal layout orientation for mounting horizontal displays. Built in serial interface for display for communication with LCD Panel, support for Stereo Audio, should be capable of supporting touch screens.

5) Dual redundant hot standby: Hot dog feature of the Streaming controller allows 2 streaming controller to watch each other and automatic switch over for continuous operation. Switch LCD sources to port2 manually incase of Data wall failure. Switch LCD and touch screen to standby port manually in case of manager console failure. There is no standby for the application PC failure.

Hardware Specifications:

Hardware: Intel Core 2 Quad CPU, 4GB DDR2 RAM, 80 GB HDD or more, 8 Digital Video Out (via DVI/HDMI port to power up to 8 HD display devices like LCD or LED), 1 Slot, Max resolution, 4096x1536 VGA Output, Audio, Mic in, Stereo Audio Out, 4 USB Ports, 1 Serial Port., XP Professional.

Central Server / Streaming Manager & Console

Software Specifications

1) Scheduling –Switch schedules based on XML parameters, Schedule templates based on day, date time Template Designing, Simple drag and drop interface. No complex numeric input number of windows on the template layout of any type. Playback limited by hardware only.

2) Template Designing – Simple drag and drop interface. No complex numeric inputs required. Any number of windows on the template layout of any type. Playback limited by hardware only.

3) Security - Content created from any other software installation of this product should not play on our network. If a user replaced a file on the player, it should not get displayed. Only files sent from a manager console should get displayed, User rights management with specific users allowed specific locations, displays and actions must be provided.

4) Network Types Support - To work on internal TCPIP network running windows systems.

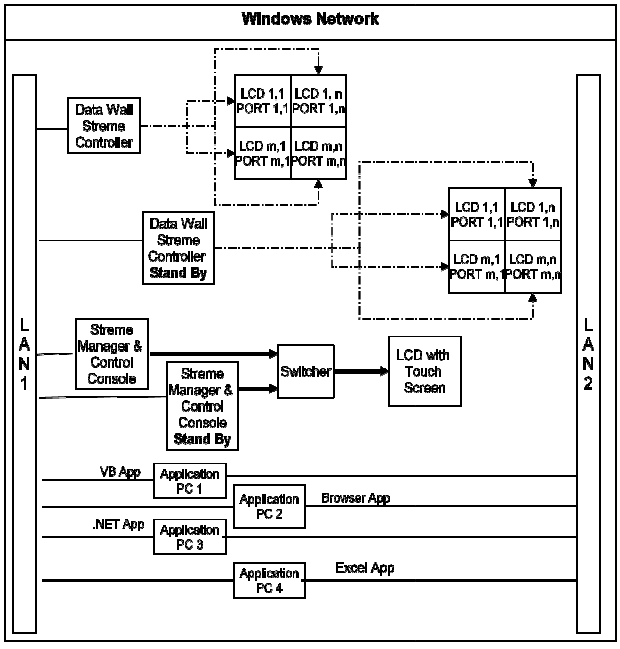
Hardware Specifications

Intel Core 2 Duo CPU, 2 GB DDR2 RAM, Secondary Storage 80 GB or more HDD, Max resolution 1600X1200 VGA Output, Audio Mic in, Stereo Audio Out, 4 USB Ports, 1 Serial Port, 17" LCD with touch screen, 10/100 Ethernet support.

Touch Console

Console with touch screen capability to select templates and run them almost instantly on the data wall. Ability to switch between manager and console modes on the same machine. Supports template switching using IR remote control.

vNOC Data Wall Schematic Diagram



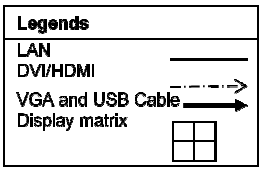
Application Notes on Cables, Network, Matrix and Application PCs

Cables
It is Recommended that cables of high quality be used in the installation to reduce noise and ghosting effects

External factors affecting response time:
The system performance may be affected by network ports, network traffic, application PC loading and third party software loaded on the network.

Application PCs:
Brief Hardware and software Specifications: Intel based hardware with windows XP Professional or Windows 2000 or later operating system . User Interaction possible on application PCs. The Desktop grabber component of VNOC is installed on each application PC or Server.

Matrix Displays:
v NOC Data Wall supports n columns and m rows or LCDs or any other display device arranged as a matrix. A typical data wall of 4X2 can also be used for data wall of say, 2X2 + 1 Configuration in the vNOC Data wall.



The Streaming Controller, Manager Streaming Client and Server are integrated with each other in the LAN to manage layout, streaming and collating data gives out HD output for display in the display device(s).

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