VSN990

Video Wall Controller Solutions

Advanced Graphics Display Technology

+ HIGH PERFORMANCE CONTROLLER

Datapath's VSN990 is a powerful video wall controller, capable of delivering Ultra High Definition video across large, multi-screen display installations. For use in a host of environments, from CCTV security suites to sports stadia, and from military installations to utility management centres the VSN990 has been tested to ensure the highest levels of performance in almost any location.

Fully compatible with Datapath's world leading portfolio of PCI Express video capture and graphics cards that offer Ultra High Definition video for storage and display, including the ability to capture HDCP sources without any display restrictions.

+ INTEL® XEON PROCESSING

The VSN990 includes two powerful Intel® Quad Core Xeon processors that are combined with Datapath's SBC3 which offer the highest level of computing performance. The VSN990 includes Datapath's PCI Express9 Gen.3 switched fabric backplane, providing 9, high bandwidth, PCIe slots for use with any Datapath video capture or graphics card.

The backplane provide a single x8 lane slot (8GB/s) and eight x4 land slots (4GB/s) each providing high speed, bi-directional bandwidth. The use of a PCIe switched fabric enables the VSN990 to be expanded using additional backplanes within VSN900X chassis connected via the optional expansion kit.

Each system contains two server grade 750GB hard drives preinstalled with Windows® 7 Ultimate edition (64bit) along with SATA and USB Ports. System cooling is achieved via 3 variable speed fans.

+ ADD FEATURES

Datapath offer a full suite of applications for display control in a wide range of scenarios and business environments. Wall Control software offers the ability to display video data in real time giving users control over a wide set of features including: video resolution and scale, cropping area, frame rate and position on the video wall. The Datapath Vision set of drivers allow OEM suppliers to build efficient display control and content management applications, making full use of the underlying hardware capability.

+ RELIABILITY

The VSN990 is designed for 24/7 use and each component has been specifically tested to ensure very high reliability in demanding conditions. The VSN990 can be pre-installed with Wall Monitor software, an application that monitors system temperatures and includes alarm mechanisms that can warn operators if the system begins to operate outside of normal parameters.

+ MODELS AVAILABLE

Order Code: VSN990-RPSU
Controller chassis with 800 Watt RPSU

Order Code: VSN900X-ATX
Expansion chassis with 500 Watt ATX

Order Code: VSN900X-RPSU
Expansion chassis with 600 Watt RPSU

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

We are continuously developing the technology used within our product ranges delivering outstanding innovative solutions, therefore the specification may change from time to time.

+ SPECIFICATIONS

MOTHERBOARD	
SBC3	Portwell ROBO8120 Q67
Processor	Dual Intel® Core Xeon processors Clock speed 2.53 GHz Cache 8MB
Memory	16GB as standard (up to 32GB on request)
Ethernet	Dual 10Base-T/ 100Base-TX/ 1000 BaseT
On-board Graphics	DVI connection for control screen
RS232	For control

DISK STORAGE	
HDD	2 x Western Digital RED 750GB
	Enterprise Grade & RAID 1 configured
Optical Drive	DVD/ RW combo drive

CONNECTIVITY	
USB	8 x 2.0 (2 front, 4 back, 2 internal*)
	* Internal ports for security dongle

OPERATING SYSTEM	
	Windows7 Ultimate 64 bit

BACKPLANE	
Features	3rd generation PCIe switched fabric
	1 slot x8 - 8GB/s uplink and downlink
	8 slots x4 - 4GB/s uplink and downlink

POWER	
	800 Watt RPSU Dual Redundant

ENVIRONMENT	
Operating temp	0 to 35 DegC (32 to 95 DegF)
Storage Temp	-20 to 70 DegC (-4 to 158 DegF)
Relative Humidity	5% to 90% non-condensing
Noise	48.6dB (A) up to 67.9dB (A);
	Dependient on system config & ambient temp

DIMENSIONS	
Length	L 500mm x H175mm x W482.1mm
Weight	19 - 25kg (shipped 30-33kg)

COMPLIANCE	
	FCC/ CE/ ROHS/ UL (TBC)

DATAPATH
EXCELLENCE BY DESIGN