PAVILION 4824

Large-Scale Video and Data Wall Controller

TECHNICAL

SPECIFICATIONS

The Pavilion 4824 is a high performance Information video wall controller that offers the ultimate solution for large, multi-screen, multi-window display of visual information.

This high-availability embedded platform fits into mission critical environment that requires extensive media processing and monitoring of multiple and diverse sources, connected via various networks. Pavilion innovative architecture combines the benefits of high quality, uncompressed video capture with the flexibility and convenience of network-based video distribution and sharing.

The controller provides highest I/O port density for reduced space and power consumption. It offers a flexible modular design for "grow as you go" and cost effective solution.

Outputs

- 6 Full-HD ports per card
- Up to 30 displays (5 cards)
- HDMI/DVI/DP interfaces
- Up to 4096 x 2304, 30bit/pixel, 60 Hz per port

Inputs

- 2 x Full-HD ports per card
- DVI/HDMI/3G-SDI
- 1080p60 or 1920x1200p60
- Video over IP (GbE)
- Stored content plyback
- Remote Desktop over IP

Video Processing

- HD/SD encode/decode (HW)
- Up to 1080P, 30b/pixel
- Video (MPEG-2/4, H264, VC1)
- Up/Down Scaling
- Post Processing
- High Resolution 2D/3D Images

Graphics On Screen Display

- Polygons
- View angle, Shading
- Text overlay
- Line widths, color
- Texture mapping

Features and Benefits

- Highly reliable embedded system in 4U chassis
- Dual redundant, hot-plug power-supplies
- Based on Windows 7 embedded, 64bit OS
- High performance PCI-Express Gen 3.0 bus
- Optional Expansion 4U platform with up to 16 slots
- Multiple and flexible display configurations
- High density - Up to 24 Full HD output ports
- Video and Remote-Display over IP network
- Hardware based video encoding and decoding
- Intuitive setup and control
- Open XML API for platform monitoring and control

Main Chassis

- Rackmount 19", 4U
- Dual Intel Xeon processor
- 16GB Solid State Storage
- 7 x PCIe 3.0 Input/Output slots
- 2 x RJ45 GbE LAN ports
- 4 x USB
- RS232 serial interface
- Dimensions: 6.81"(H) X 17.24"(W) X 26.9"(D)
- 3 Years limited warranty

PAVILION OPERATION MANAGEMENT– POM

Pavilion Operation Management is a software application that provides complete configuration and control of the visual information being received, processed and displayed on the wall. POM enables source selection and rendering into any displayed window, display layout selection and configuration. POM is designed to fully exploit the uniquely powerful and flexible Pavilion architecture.

The POM can be accessed locally via VGA connected display or remotely through the network from any connected PC. In addition POM SDK and XML APIs, enable easy integration with 3rd party control systems.

INFORMATION

For more information on any of our products or services please contact:

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SERVICES AVAILABLE

Planning & Consultation

Technical Support

Installation and Setup

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Extended Warranty

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NOTE: The Specification may change without notice. The actual products sold are different from areas. Please check the detailed Specification with your local dealers

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