

Advanced Graphics Display Technology

The iH4-SIP provides all the features of the current iH4 range but it also includes 4 high performance video overlay processors. The iH4-SIP provides 1 overlay processor per display channel combined with 256Mb of overlay memory supporting 16 overlay windows and tripple buffering for each output channel. For systems that require more than 4 displays up to 10 iH4-SIP cards can be used with the Mosaic-SQ16 providing support for up to 40 displays and with the ability to position and size video overlay windows anywhere on the display wall.

- 4 Port PCI Graphics adapter
- 4 Savage4 GPU's each with 16MB frame buffers. (Total of 64 MB)
- 4 SIP video processors each with 64 MB frame buffers. (Total of 256 MB)
- 4 Analog VGA outputs up to 1600 x 1200
- 4 DVI outputs up to 1280 x 1024
- Support for 1400 x 1050 resolution
- High speed 5Gb/s SIP digital video input port compatible with the Mosaic-SQ16
- Supports up to 128 video overlay channels
- 16 video windows per output channel (64 windows per card)
- Compatible with the Datapath Mosaic-SQ16 and Wall Control software



Software Features

Special multi-screen display driver for use with Windows® 2000, Windows® Server 2003 and Windows® XP Professional. The function of the display driver is to present one large desktop to the Windows operating system. The multi screen driver will support up to a maximum of 40 screens.

iH4-SIP Specification

Card Format	32bit 33Mhz PCI adapter
Card Size	105mm x 295mm Full size
Number of output channels	4
Max Analog output resolution per channel	1600 x 1200 x 75Hz or 2048 x 1536 x 35Hz
Max DVI output resolution per channel	1280 x 1024 x 75Hz or 2048 x 1536 x 30Hz
Max No of overlay windows	16 per output channel (64 windows per card)
Max No of cards per system	Up to 10 cards (40 display channels)
Overlay frame buffer resolution	720 x 576 x 4
Digital SIP input bus speed	5Gb/s
Max No of digital video channels	128
Video window update rate	Real time 25/30 frames per sec (PAL/NTSC)
Max current at 3.3V	3.20A
Max current at +5V	1.20A
Max power	16.56 Watts
Operating temperature	0 to 35 Deg C ambient
Storage temperature	-20 to +70 Deg C
Relative humidity	5% to 90% non-condensing

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