

PLI Image Processor

INTEGRATED SYSTEM



Multi-image processor for high resolution video wall applications

The Pixel Layer Integrator (PLI) is a multi-image processor used for displaying Microsoft Windows® or UNIX/Linux applications directly onto Indisys display walls. Those applications can be installed directly on the PLI, or hosted on remote workstations connected to the LAN. Display of LAN based applications is then managed by Com.Base software suite. With PLI, the large-scale display wall becomes the default display unit of your control room applications.

Features

High performance

Up to 48 displays with Pentium processing, multi-headed graphic boards

Efficient

Single output feeds multiple displays

Independent

Performance not affected by other RGB, video and Mpeg windows.

Reliable

RAID, redundant power supply

Future ready

Processor upgrade does not require system redesign

PLI				
	PLI 8-16-S	PLI 8-16-U	PLI 16-32-U	PLI 24-48-U
PROCESSOR UNIT				
Operating System	Windows and Linux		Windows and Linux	
Optional	Windows 2003 Server			
Processor	Intel® Pentium 4 Dual Core		Intel® Pentium 4 Dual Core	
Ram type	DDR 1		DDR 2	
Ram size	2 GB		2 GB	
FSB	FSB 800MHz Hyper-Threading Technology		FSB 800MHz Hyper-Threading Technology	
PERIPHERAL				
Hard disk drive	SATA 80 GB		SATA 80 GB	
HDD controller	SATA		SATA	
Floppy drive	1.44 MB		1.44 MB	
DVD drive	DVD/RW		DVD/RW	
Ethernet	Single Port Ethernet 10/100/1000		Dual Port Ethernet 10/100/1000	
OUTPUTS				
Number of cubes	8 SXGA+ or 16 XGA	8 SXGA+ or 16 XGA	16 SXGA+ or 32 XGA	24 SXGA+ or 48 XGA
Number of outputs	2	2	4	4
Output type	DVI		DVI	
Color depth	24 bits, no support for 8-bit mode		24 bits, support for 8-bit mode	
MISCELLANEOUS				
Power Supply	100-240 V AC autoswitch 300 V		100-240 V AC autoswitch 300 V	
Dimensions	4U 19" rackable		4U 19" rackable	
Depth	19"		19"	
OPTIONS				
Redundant power supply	Autoswitch 2 supplies with fans		Autoswitch 2 supplies with fans	
Raid 0, 1, 5	no		yes	
NIC 1 port 10/100/1000	yes		yes	
NIC 4 ports 10/100 autoswitch on failover	yes		yes	
NIC 2 ports 10/100/1000 autoswitch on failover	yes		yes	

* Recommended working conditions
Product specifications are subject to change without prior notice

PLI Performance Series is available with AMD Dual Opteron processors on the PLI 8-16 and 16-32 versions

State-of-the art server board powered by AMD Dual Opteron processors provides enhanced CPU performances and redundancy. The PLI Performance comes into a high quality chassis designed with complete cooling redundancy, hot-plug fans and hot-swappable drive bays for ultimate reliability and minimized system downtime. To guarantee 100% uninterrupted operation, the PLI Performance series comes standard with Raid 0,1 disk configuration.

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PLI Performance Series

	PLI 8-16-P	PLI 16-32-P
MOTHERBOARD		
Operating System	Windows XP, 2000, Fedora Core 4	Windows XP, 2000, Fedora Core 4
Optional	Windows 2003 Server	Windows 2003 Server
Processor	AMD Dual Opteron 248 2.2GHz	AMD Dual Opteron 248 2.2GHz
Ram size	2 GB	2 GB
Cache	1MB cache L2 per processor	1MB cache L2 per processor
PCI Express x4	2	2
PCI 32-bit	3	3
PERIPHERALS		
Hard disk drive	SATA 80 GB	SATA 80 GB
Number of disks	2	2
HDD controller	Raid 0,1	Raid 0,1
Floppy drive	1.44 MB	1.44 MB
DVD drive	DVD/RW	DVD/RW
Ethernet	Dual Port Ethernet 10/100/1000	Dual Port Ethernet 10/100/1000
OUTPUTS		
Number of cubes	8 SXGA+ or 16 XGA depending on layout configuration	16 SXGA+ or 32 XGA depending on layout configuration
Number of outputs	2	4
Output type	DVI	DVI
Technology	PCI Express	PCI Express
MISCELLANEOUS		
Power Supply	100-240 V AC autoswitch 645 V	100-240 V AC autoswitch 645 V
Dimensions	4U 19" rackable	4U 19" rackable
Depth	25.5" (648mm)	25.5" (648mm)
OPTIONS		
Redundant power supply	2+1	2+1
Raid 5 with raid controller board	yes	yes
NIC 1 port 10/100	yes	yes
NIC 4 ports 10/100 autoswitch on failover	yes	yes
NIC 2 ports 10/100/1000 autoswitch on failover	yes	yes

For more information

To learn more about PLI from Planar Systems, please call 503-748-1100, email controlroom@planar.com or visit www.planarcontrolroom.com.