

## Advanced Display Technology

### Datapath IPC's

Datapath provides a range of Industrial PC's (IPC's) specifically designed to operate with the range of Datapath PCI plug-in card options.

#### IPC-1

The IPC-1 provides 7 free, full length PCI slots and can be used with upto 6 iH4 cards plus VisionSwitch, VisionSwitch32, Mosaic, Mosaic-SQ16 or VisionRGB-PRO (6 cards maximum).

#### Specification:

- 19" 4U Industrial metal chassis
- Dimensions (approx) Length 565mm, Height 177mm, Width 482mm
- Dual Redundant PSU 350W + 350W
- Intel® Pentium 4 3.2Ghz 800 Mhz FSB
- Intel® Hyper-Threading Technology
- 1GB of System Memory (upgradeable)
- 250GB SATA Hard Drive in removeable caddy
- 7 x 32 bit 33Mhz PCI Slots
- On-board Graphics for control screen
- On-board Audio
- Ethernet 10/100/1000 LAN
- 1 x Serial port
- 4 x USB ports
- DVDRW drive
- Keyboard and mouse
- Floppy drive
- Windows® XP Professional
- 24 hour soak test



#### Options:

- Dual SATA 250+250 RAID
- 2Gb of memory
- Additional Gigabit Ethernet card

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#### IPC-X13

The IPC-X13 is a general purpose chassis that expands the PCI Bus of the IPC-1 or any PC with a spare PCI slot. The IPC-X13 is supplied with a PCI plug in card which is installed into the PC requiring expansion. The PC is then connected to the IPC-X13 using a special 1M cable. By introducing the IPC-X13 to your system the available PCI slots can be increased by 13.

#### Specification:

- 19" Industrial metal chassis
- Dimensions (approx) Length 515mm, Height 177mm, Width 482mm
- 350 + 350 watt PSU
- 13 free full length PCI slots
- 2 dedicated cooling fans for plug-in cards
- PCI card for expanding system PCI bus
- 1M expansion cable



#### IPC-X13S

The IPC-X13S provides the same expansion features as the IPC-X13 but with increased airflow for cooling and a larger Redundant PSU. (1350 watt)

#### Specification:

- 6U Chassis
- Dimensions (approx) Length 540mm, Height 265mm, Width 482mm
- 13 full length PCI slots
- 1350 watt Redundant PSU
- 3 x High flow rate cooling fans
- Separate cooling for PSU
- PCI card for expanding your system
- 1M expansion cable



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The following table shows the maximum recommended number of cards for the IPC-X13 and the IPC-X13S chassis, taking into consideration power and cooling requirements:

	IPC-X13	IPC-X13S
Vantage4	6	12
Vantage4-PRO	6	12
* Vantage4-SIP	3	7
IH4	10	10
IH4-PRO	10	10
*IH4-SIP	7	12

\* = Also includes 1 x Mosaic-SQ16

Configurations:

There are many possible display configurations available using the whole range of Datapath products, the following tables give examples of some of the various formations, from a 16 screen datawall, to a complex system with live video overlay and RGB/VGA capture.

Example 1:

Wall Size	16 screen video/data wall set up in any rectangular arrangement.
Functionality	Windows® 2000/XP PRO desktop is displayed across the entire wall. Graphics with live video overlays. 16 Composite video inputs supporting PAL, NTSC and SECAM. 16 video windows can be sized and positioned anywhere on the wall. Video windows cannot overlap or cover the same screen.
PC Requirements	IPC-1
PCI Cards Required	4 x iH4-PRO/Vantage4-PRO cards and 1 x VisionSwitch16.  Or 4 x Vantage4-PRO and 4 x VIM-4V-BNC or 1 x VIM16-4

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Example 2:

Wall Size	16 screen video/data wall set up in any rectangular arrangement.
Functionality	Windows 2000/XP Pro desktop is displayed across the entire wall. Graphics with live video window overlays. 9 composite video inputs supporting PAL, NTSC, SECAM and S-Video. 16 Mosaic windows that can be sized and positioned anywhere on the wall. There are no restrictions with regard to position and size of the video windows. The video windows can overlap each other and can display any of the 16 available inputs.
PC Requirements	IPC-1
PCI Cards Required	4 x iH4-SIP and 1 x Mosaic-SQ16. Or 4 x Vantage4-SIP and 1 x Mosaic-SQ16

Example 3:

Wall Size	20 screen video/data wall set up in any rectangular arrangement.
Functionality	Windows 2000/XP Pro desktop is displayed across the entire wall. 64 video inputs supporting PAL, NTSC or SECAM. 64 Mosaic windows, each window can select any one of 16 available inputs. Up to 16 windows on each screen, windows can overlap. 8 RGB capture windows. No restriction on size and position of RGB windows.
PC Requirements	IPC-1
PCI Cards Required	5 x iH4-SIP/Vantage4-SIP cards, 4 x Mosaic-SQ16 cards and 4 x VisionRGB-PRO2

Datapath also provides Wall Control Software, a Windows application program which enables the simple configuration and set up of your data/video wall controller.

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For more information on the range of Datapath IPC chassis contact our sales team at:  
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