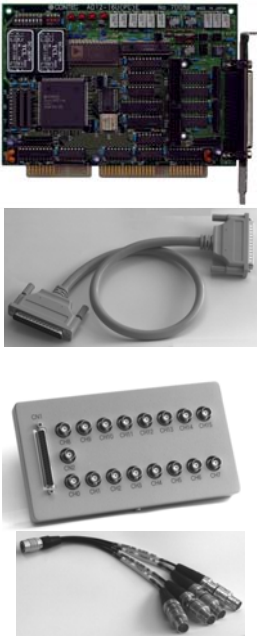



Photron DAQ cards – Provisional datasheet

	PCI 16X1 1MHz	PCI 2X10 20MHz
	Physical	
		
Format	½ length PCI	½ length PCI
Interface	Cable to break out board with 16 x BNC connections	Direct connection to edge mounted BNC
	Technical specification	
Input channels	16 single ended or 8 differential	2 channels, single ended
Resolution	12 bit	12 bit
Input range	+/-2.5V, +/- 5V, 0-5V, 0-10V	+/-1V, +/- 2.5V, +/- 5V 0-1V, 0-2.5V, 0-5V
Conversion speed	1µs/ ch (Max)	0.1µs/ ch or 1 x 0.05 µs
Input impedance	1MΩ or more	1MΩ or more
Trigger	Start trigger 3: Modes, Stop trigger: 4 Modes	Start, Center, End, Manual
Power consumption	+5VDC 1800mA (Max)	+3.3Vdc
PCI bus/ dimension	32 bit, 33MHz, 5V / 230mm (L) x 107mm (H)	32 bit, 33MHz, 5V / 160mm (L) x 100mm (H)

	Software interface
Software	Set up and control via standard PFV software (rev 2.4.12 or higher)
Board Configuration	User can through PFV: <ul style="list-style-type: none"> ▪ Enable/ disable channels ▪ Specify sample rate and number of samples <p>Note: Some configurations may require removable links to be set on the PCI card</p>
Review	User can through PFV: <ul style="list-style-type: none"> ▪ Specify the number of channels per chart to be displayed ▪ Open multiple charts ▪ Modify the scale of the charts ▪ Select to display the time in frame numbers or ms ▪ Playback is dynamically linked to the image play back – selecting a point on the chart will display the respective image, cursor moves on the chart in sync with the images
Export	<ul style="list-style-type: none"> ▪ Data can be exported to delimited text file or directly to Microsoft Excel ▪ Data is automatically retrieved when a stored sequence is imported.

