Classification	ISaGRAF English FAQ-014						
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Can I use 8K parallel D/I board to get counter input up to 1KHz ? How ?

Click the link for more ISaGRAF FAQ.

Ans: If you have the user's manual, please refer to section 3.8 – "Counters built in parallel D/I boards". ISaGRAF user's manual can be download at
http://www.icpdas.com/en/download/show.php?num=333&nation=US&kind1=&model=&kw=isagraf

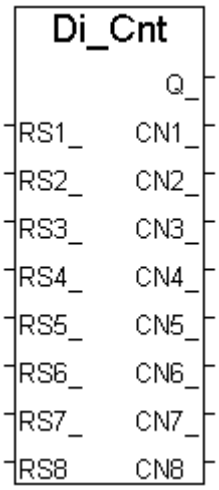
I-8417/8817/8437/8837 supports D/I counters since its driver version of 2.28. Only parallel input boards plug **at slot 0** are supported, not for serial boards. The following input boards are available with D/I counters.

I-8040, 8042, 8051, 8052, 8053, 8054, 8055, 8058, 8063, 8077

I-7188EG supports D/I counters since its driver version of 1.21 while I-7188XG since 1.19.
Only X-boards with digital input channels are available with D/I counters.

The max channel of parallel D/I counter available in one controller is up to 8. And the max frequency of counter input is up to 1k Hz with minimum pulse width of 0.5 ms.

The below c function block is for getting/reset D/I counters at slot 0.



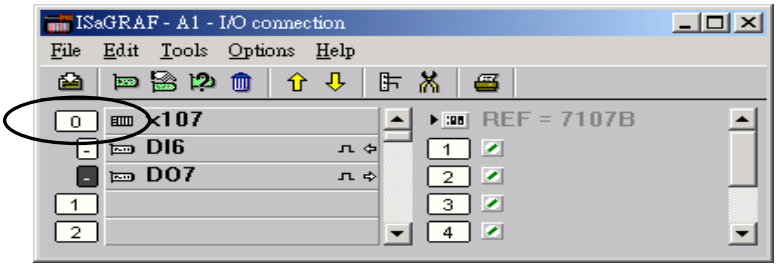
Parameters:

RS1_ ~ RS8_	boolean	Reset the associated D/I counter when rising from False to True.

Return:

Q_	boolean	TRUE: work ok. FALSE: it means "No parallel D/I module found at slot 0 "
CN1_ ~ CN8_	integer	DI Counter value of channel No. 1 to 8. Valid value is ranging from 0 to 2,147,483,647. If value is over 2,147,483,647, it restarts at 0.

Note:
Only Parallel D/I board plug in slot 0 support "Di_Cnt", not for other slots.
Only the first 8 D/I channel support "Di_Cnt".
I-7188EG/XG must connect the X-board at slot 0, or the "Di_Cnt" will not work.



Example: demo_52 & demo_53. Download I-8417/8817/8437/8837's demo.

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