

ABLOGIX PERFORMANCE*

(Updated 16/4/02 - Driver v1.07.01.002 A1)

Integer Performance

Performance of integers when displayed on a graphics page -

# Ints on Page	Page Scantime=0		Page Scantime=250 (Default)	
	Physical Reads/Sec	Actual Scantime	Physical Reads/Sec	Actual Scantime
10	193	50	40	250
50	320	156	200	250
100	376	270	380	266
300	340	878	340	878

Table -1 Integer Performance

Data Type Comparisons

Performance comparison between different data types displayed on a page –

300 Tags of Type	Page Scantime=250 (Default)	
	Physical Reads/Sec	Actual Scantime
Ints	340	878
Reals	390	765
Longs (dint)	341	876
Sints	407	750
Bools	321	940

Table -2 Data Type Comparisons

Integer Array Performance

Performance comparison of integer arrays of varying sizes displayed on a page –

Tags Per Array	Page Scantime=0		Page Scantime=250 (Default)	
	Physical Reads/Sec	Actual Scantime	Physical Reads/Sec	Actual Scantime
1	83	3750	83	3620
10	77	380	78	393
50	57	106	24	250
100	50	60	12	250

Table -3 Integer Array Performance for 300 tags

Array Scantime

Alarm performance comparison for arrays of different sizes, accessing the same number of Integer or Digital tags -

# Tags	Data Type	Tags Per Array	Alarm Scantime=10		Alarm Scantime=500 (Default)	
			Physical Reads/Sec	Actual Scantime	Physical Reads/Sec	Actual Scantime
4000	Int	50	84	948	72	1116
4000	Int	100	82	482	67	566
20000	Digital	500	76	537	64	618
20000	Digital	1000	67	300	40	500
20000	Digital	2000	54	185	19	500

Table -4 Array Scantime Performance

***All tests done with I/O Device caching turned OFF.**