

Machine:

Pentium III 450Mhz, 384Mb RAM, NT4.0

Data creation: 10/sec

TransmitCh 16

SampleBlockSize 16

	CPU not busy		100% uniform CPU load 1 task 100%		100% uniform CPU load 2 tasks 100%	
	timer interval	roundtrip	timer interval	roundtrip	timer interval	roundtrip
mean	100.14	7.09	100.14	6.15	100.21	5.53
std dev	0.39	2.32	7.35	5.02	25.19	4.74
min	97.00	2.00	77.00	2.00	9	2
max	103.00	11.00	123.00	77.00	209	79
CPU load:	1%		N/A	N/A	N/A	N/A

Data creation: 10/sec

TransmitCh 64

SampleBlockSize 16

	CPU not busy		100% uniform CPU load 1 task 100%		100% uniform CPU load 2 tasks 100%	
	timer interval	roundtrip	timer interval	roundtrip	timer interval	roundtrip
mean	100.19	4.09	100.14	3.75	100.18	3.67
std dev	3.07	3.61	7.89	3.91	27.60	0.63
min	96.00	2.00	78.00	2.00	10	3
max	311.00	47.00	122.00	84.00	200	22
CPU load:	1%		N/A		N/A	

Machine:

Core Modules: Pentium III 450Mhz, NT 4.0

3COM Etherlink (PCI), 10/100MBit

Operator: Pentium III 550Mhz, Win 2000

SMC EtherEZ (ISA), 10MBit

Data creation: 10/sec in this case, there were 61440+ bytes transferred over the network/sec

TransmitCh 64 (64 channels from each core module * 2 bytes * 16 samples * 10/sec)

SampleBlockSize 16 network traffic + networking card performance is becoming important

	CPU not busy		100% uniform CPU load 1 task 100%		100% uniform CPU load 2 tasks 100%	
	timer interval	roundtrip	timer interval	roundtrip	timer interval	roundtrip
mean	100.24	3.09				
std dev	5.13	1.70				
min	96.00	2.00				
max	354.00	36.00				
CPU load:	<10% for both					