

# Multiprocessor Performance (MPC 601, MPC 604, MPC 620)

MPC 601	
LU Count	Total Clock Cycles
2	570,480
7	181,462
12	143,108
17	93,697
23	81,984

MPC 604	
LU Count	Total Clock Cycles
2	570,480
6	218,909
10	138,901
14	110,270
19	91,620

MPC 620	
LU Count	Total Clock Cycles
2	570,480
3	398,584
4	313,356
5	258,321
7	181,462

MPC 601	
Bench M:	46
Clk Rate:	100
Cycle T:	10ns

MPC 604	
Bench M:	162
Clk Rate:	100
Cycle T:	10ns

MPC 620	
Bench M:	257
Clk Rate:	133
Cycle T:	8ns

MPC 601	
LU Count	W Performance
2	8,063
7	25,350
12	32,144
17	49,094
23	56,109

MPC 604	
LU Count	W Performance
2	28,397
6	74,003
10	116,630
14	146,912
19	176,817

MPC 620	
LU Count	W Performance
2	59,916
3	85,756
4	109,080
5	132,320
7	188,365

Performance = 1/(Execution Time)

W(eighted) Performance = Benchmark/Execution Time

= (10<sup>9</sup> \* Benchmark)/(Total Cycles\*Cycle T(ime))