

## ACTEL / MICROSEMI

| FPGA Type                                  | Maximum 'clk' Frequency | Logic Modules (CORE)                              |
|--|-------------------------|---|
| ProASIC3<br>(A3P1000 484FBGA I Std)        | 53.5 MHz                | 2604  |
| IGLOO<br>(AGL1000V5 484FBGA I Std)         | 50.49 MHz               | 2604  |
| Fusion<br>(AFS1500 676FBGA I Std)          | 53.47 MHz               | 2637  |
| Axcelerator<br>(RTAX1000S 352CQFP Mil Std) | 66.35 MHz               | SEQUENTIAL (R-cells): 663<br>COMB (C-cells): 1432 |

## ALTERA

| FPGA Type                       | Maximum 'clk' Frequency | Flip-Flops | ALUTs | ALMs | Logic Cells |
|---------------------------------|-------------------------|------------|-------|------|-------------|
| MAX II<br>(EPM2210FF324I5)      | 59.59 MHz               | 610        | -     | -    | 1394        |
| Cyclone III<br>(EP3C16F484I7)   | 120 MHz                 | 610        | -     | -    | 1303        |
| Stratix II<br>(EP2S60F484I4)    | 173 MHz                 | 610        | 783   | 566  | -           |
| Stratix III<br>(EP3SE110F780I3) | > 220 MHz               | 610        | 779   | 548  | -           |
| Stratix IV<br>(EP4SGX70HF35C2)  | > 240 MHz               | 610        | 797   | 547  | -           |

## XILINX

| FPGA Type                         | Maximum 'clk' Frequency | Flip-Flops | 4-LUTs | Slices | Macrocells |
|-----------------------------------|-------------------------|------------|--------|--------|------------|
| CoolRunnerII<br>(XC2C128-6-TQ144) | NA                      | NA         | -      | -      | NA         |
| Spartan3<br>(XC3S1000-5FG456)     | 104 MHz                 | 617        | 1377   | 846    | -          |
| Virtex2<br>(XC2V1000-6BG575)      | 128 MHz                 | 616        | 1344   | 825    | -          |
| Virtex4<br>(XC4VLX15-12SF363)     | 182 MHz                 | 615        | 1384   | 847    | -          |
| Virtex5<br>(XC5VLX30-3FF676)      | 234 MHz                 | 564        | -      | 430    | -          |