Table 2.7 Typical Bandwidth Requirements for Various Peripheral Technologies

Peripheral Technology Required Bandwidth (MBytes/sec)

Graphics 24-bit color 30

Local area network 100BASEX or FDDI 12

Disk controller SCSI or P1394 10

Full-motion video 1024 ´ 768@30fps 67+

I/O Peripherals Other miscellaneous 5+

Table 2.4 Key Characteristics of the System/360 Family

Characteristic Model 30 Model 40 Model 50 Model 65 Model 75

Memory SIZE 64K 256K 256K 512K 512K

Data rate (Mbytes/sec) 0.5 0.8 2.0 8.0 16.0

cycle time msec 1.0 0.625 0.5 0.25 0.2

Relative speed 1 3.5 10 1 50

Number of data channels 3 3 4 6 6

Data rate (Kbytes/sec) 250 400 800 1250 1250