(a) Traditional Bus Architecture

Processor — Local Bus — **Cache**

Local I/O controller

Main Memory

System Bus

Network

SCSI

Expansion bus interface

Modem

Serial

Expansion Bus

(a) Traditional Bus Architecture

(b) High-Performance Architecture

Main Memory

Processor — Local Bus — **Cache /Bridge** — **System Bus**

SCSI

P1394

Graphic

Video

LAN

High-Speed Bus

FAX

Expansion bus interface

Modem

Serial

Expansion Bus

(b) High-Performance Architecture

Figure 3.18 Example Bus Configurations