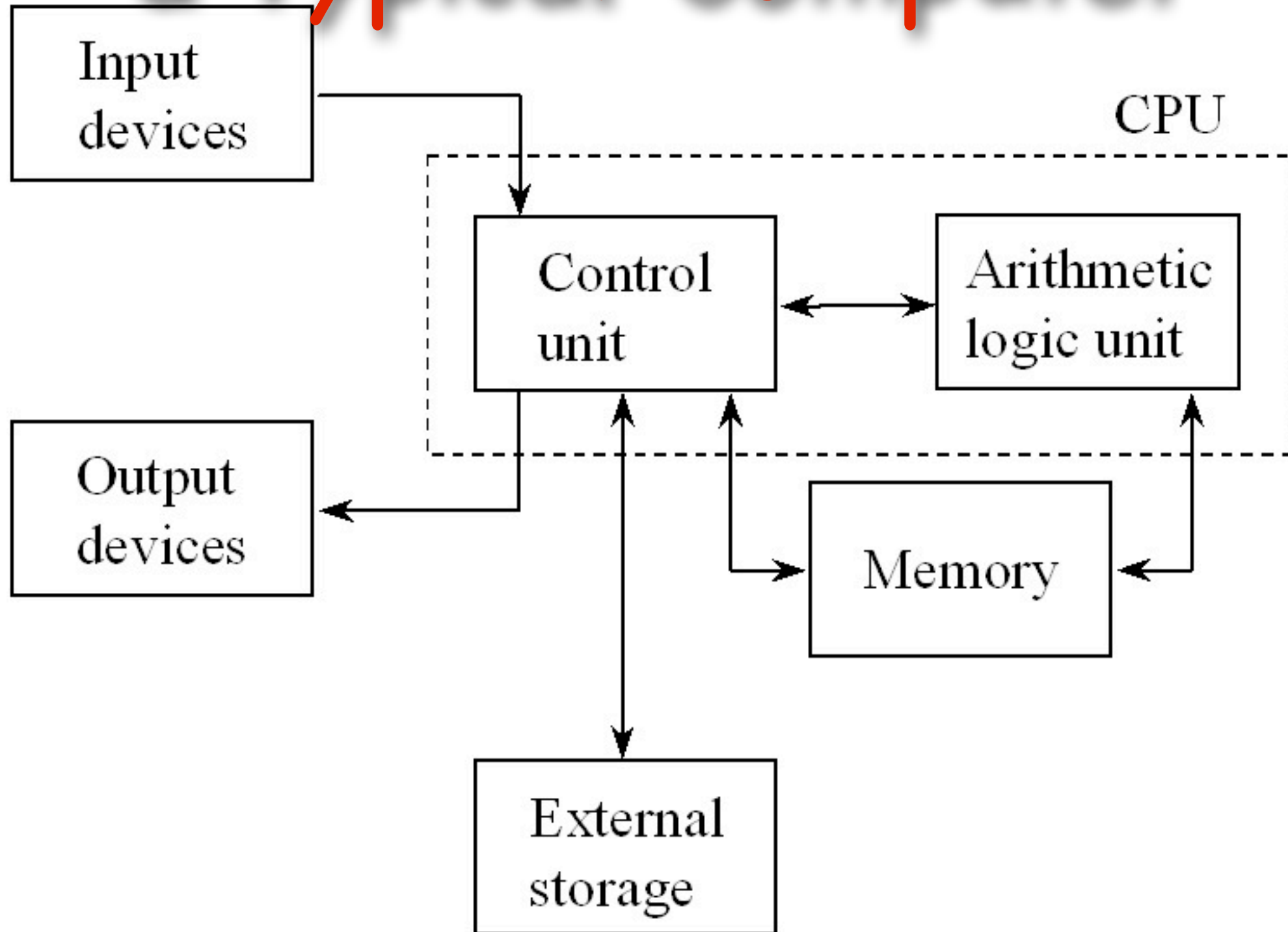


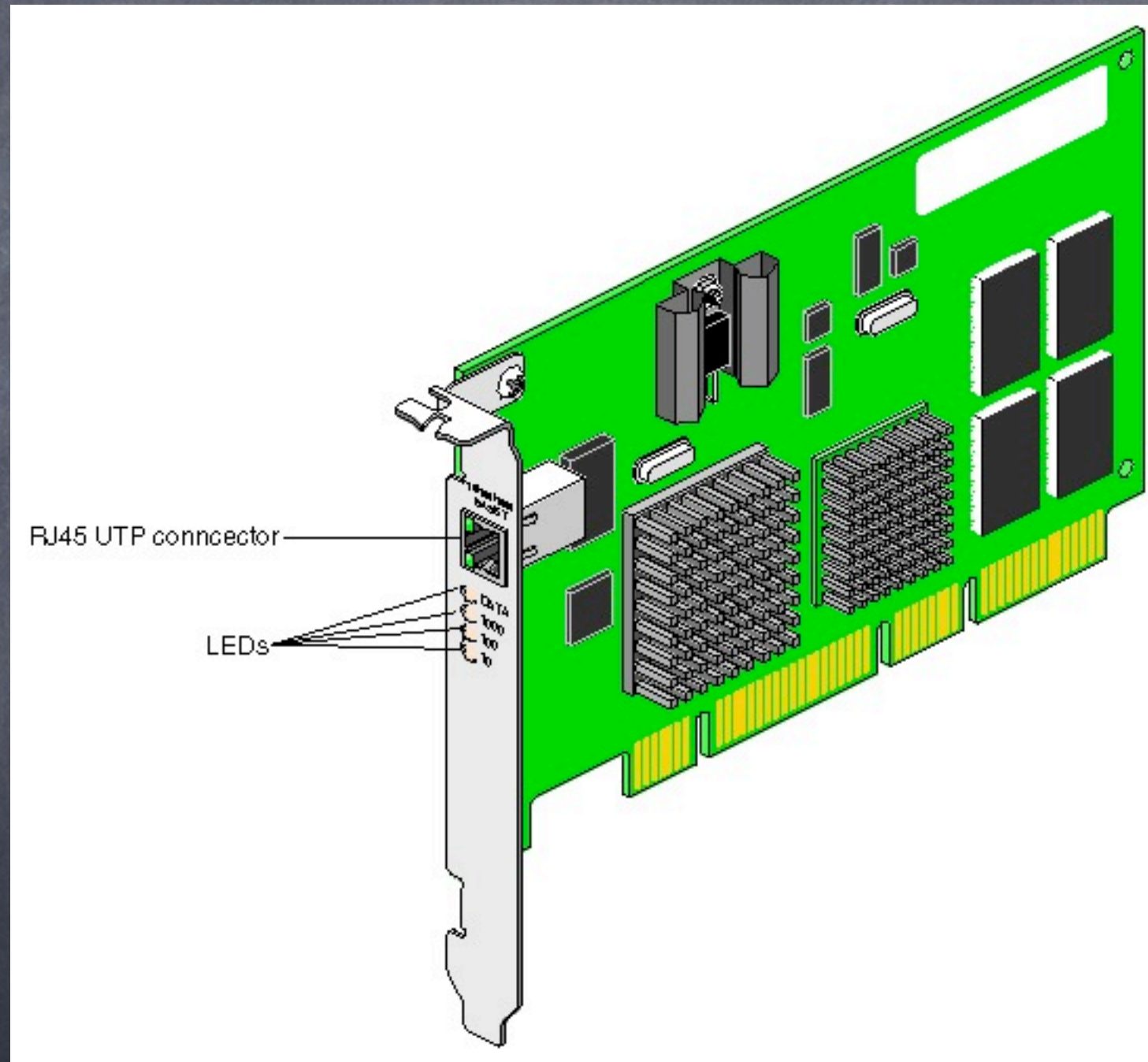
Computers and Networks

COMP 102, lecture 11

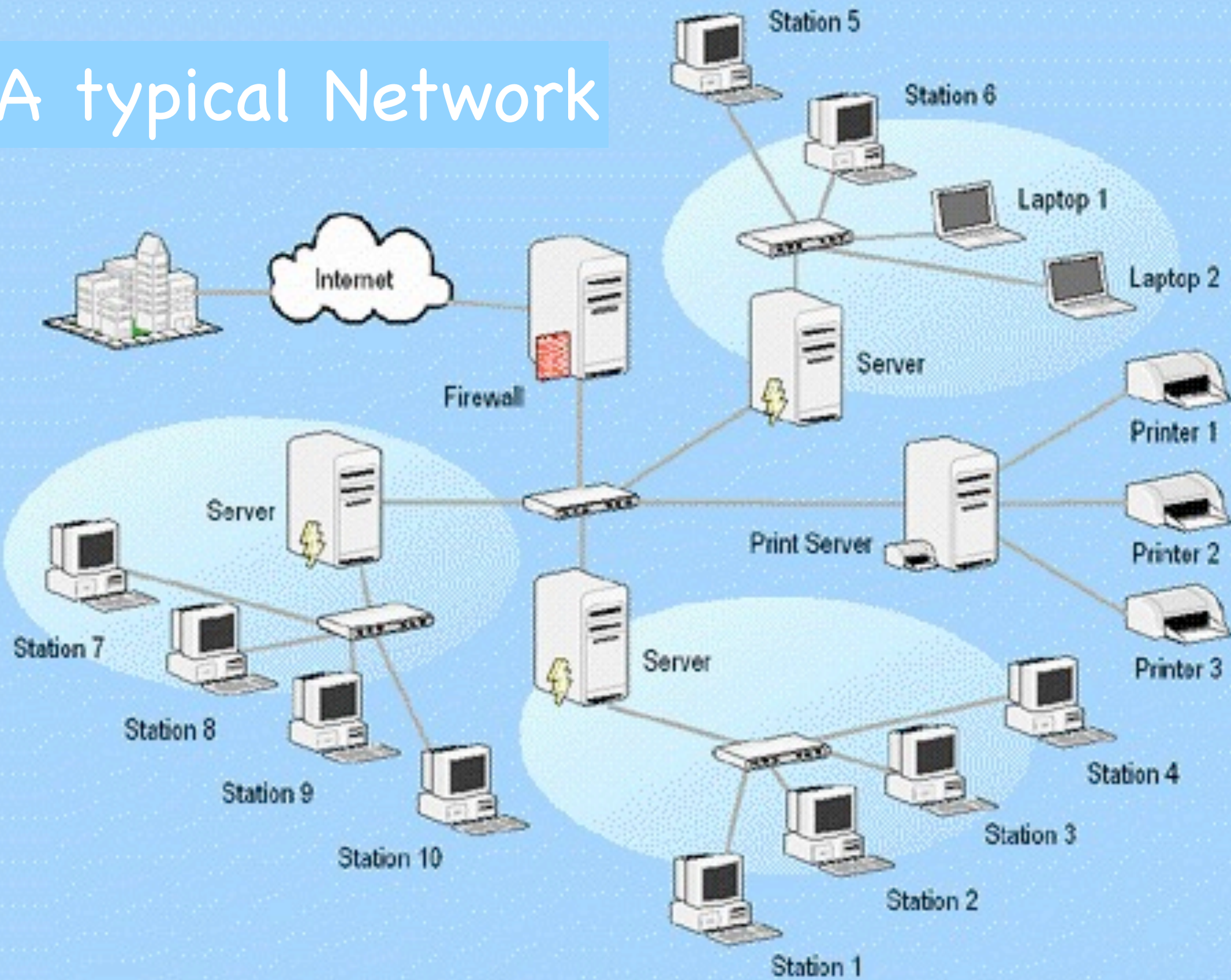
a Typical Computer



Input/Output Device: Ethernet Interface



A typical Network



Typical Internet Settings

• MCGILL :

Services :

Integrated Ethernet :

Type : Ethernet

Name of peripheral BSD : en0

Physical Address (MAC) : 00:1B:63:92:4F:93

AirPort :

Type : IEEE80211

Name of peripheral BSD : en1

Physical Address (MAC) : 00:1B:63:C4:08:4E

Hexadecimal notation

- byte = 2 hexadecimal
- 1 hexadecimal = 4 bits
- Hexadecimal $\in \{0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F\}$
- A=10, B=11, C=12, D=13, E=14, F=15

• example:

0	0	:	1	B	:	6	3	:	9	2	:	4	F	:	9	3
0000	0000		0001	1011		0110	0011		1001	0010		0100	1111		1001	0011

History of the Internet



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