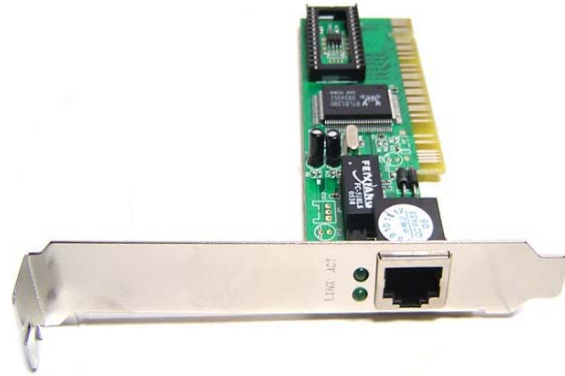
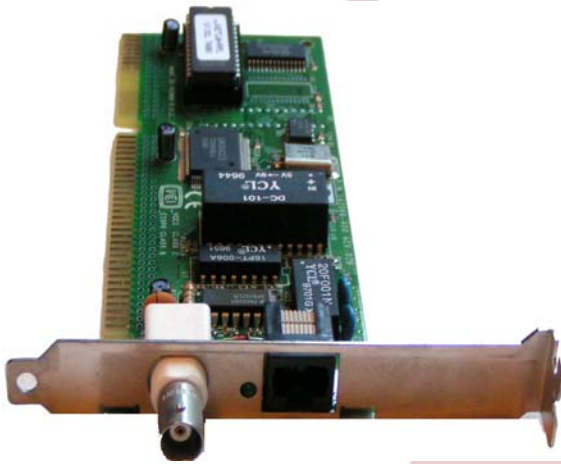


## القسم الثالث: مكونات الشبكة

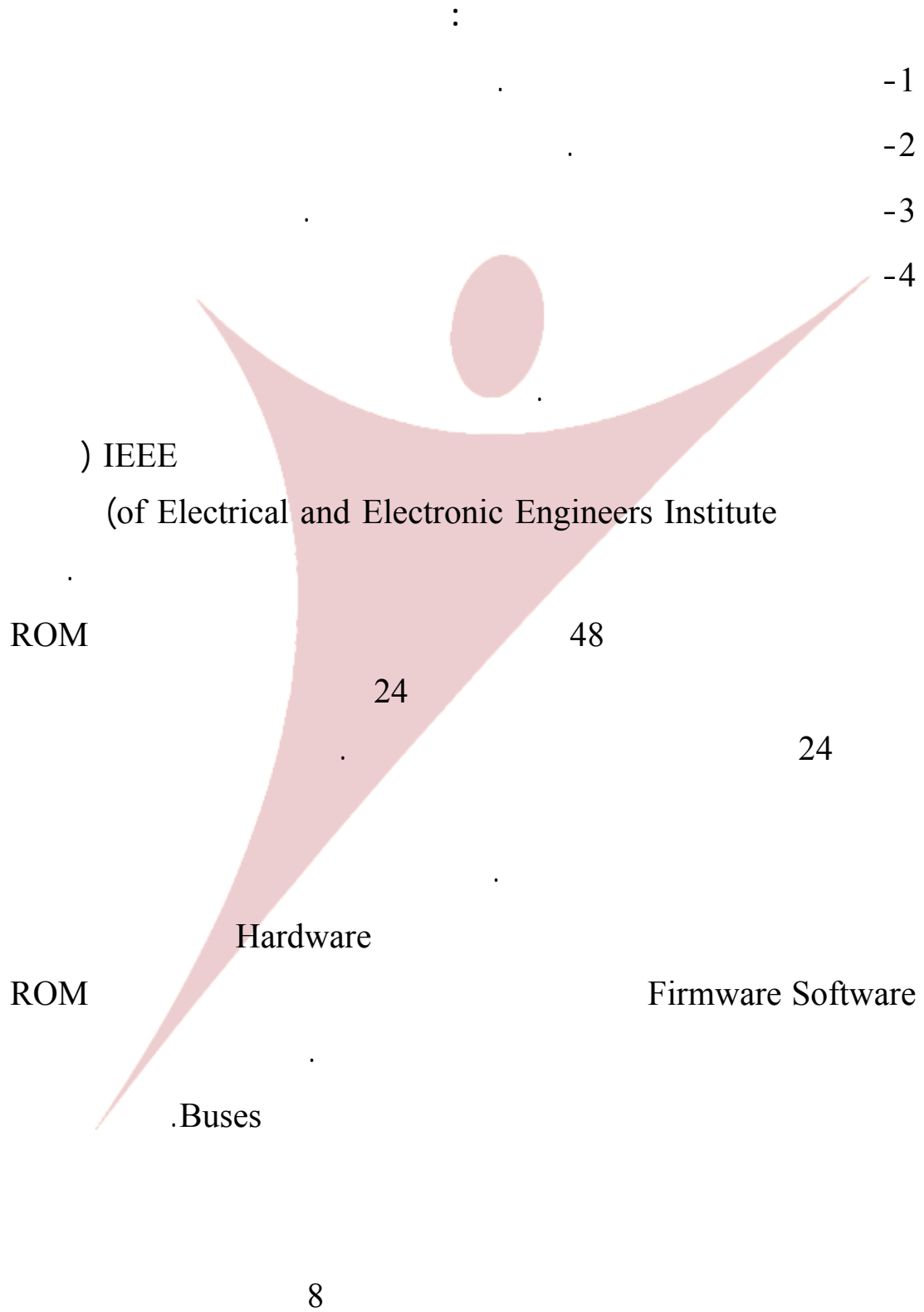
: ; REPEATER ; ROUTER ; HUB

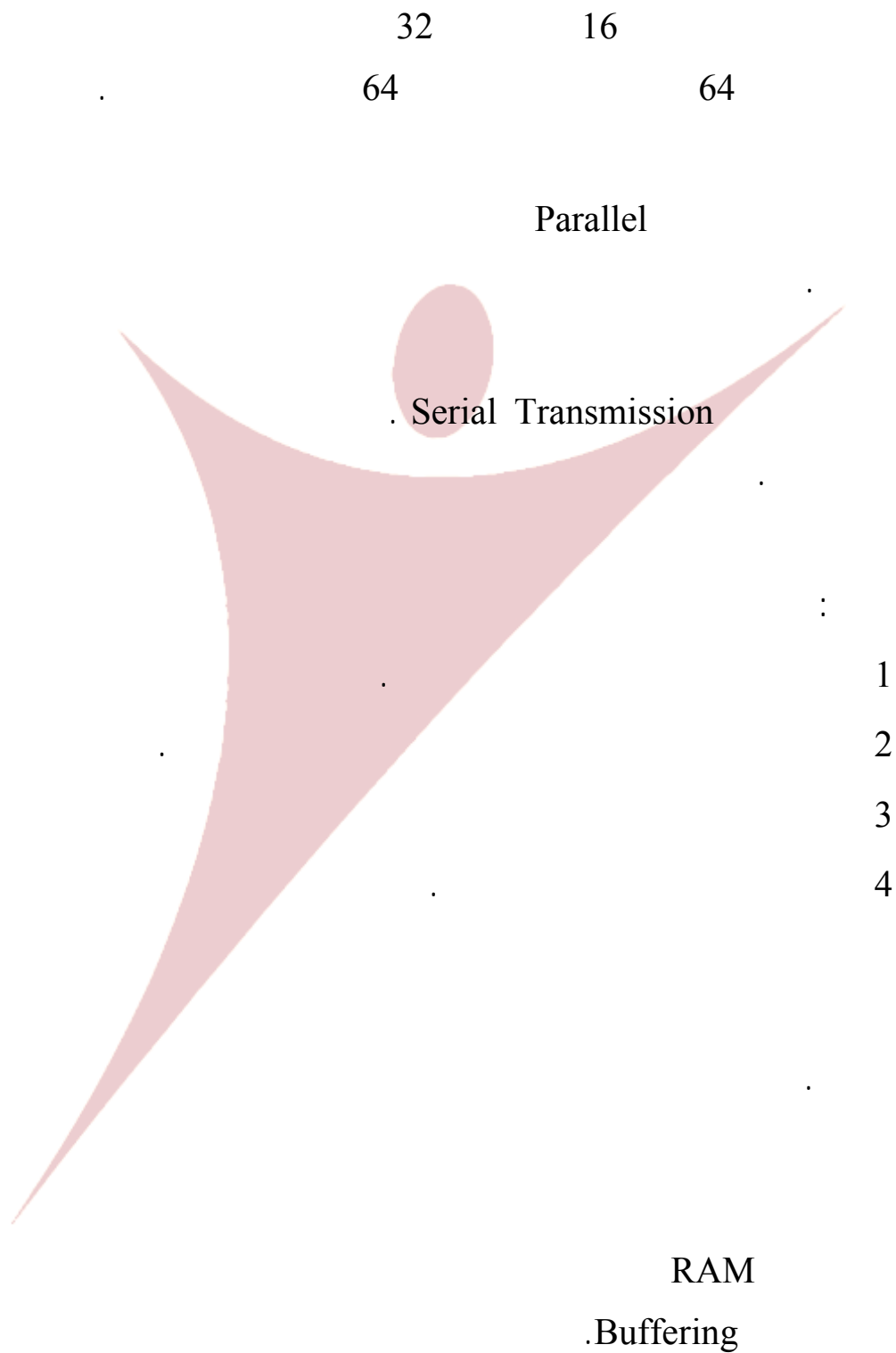
NIC



....

Expansion Slot







(Industry Standard Architecture)				<b>ISA</b>
8	16	8	ISA	
1988	IBM	(Micro Channel Architecture)		<b>MCA</b>
		32	16	
1988	(Extended Industry Standard Architecture)		<b>EISA</b>	
.NEC HP Compaq	33	32		
		.IS		
Intel	(Peripheral Component Interconnect)		<b>PCI</b>	
	132	32		1992

Plug and Play

Interrupt Request (IRQ) Lines  
Levels

EGA/VGA	9 2
COM1, COM3	4
Floppy Disk Controller	6
Parallel Port	7
Real -Time Clock	8
	12
Math Coprocessor	13
	14

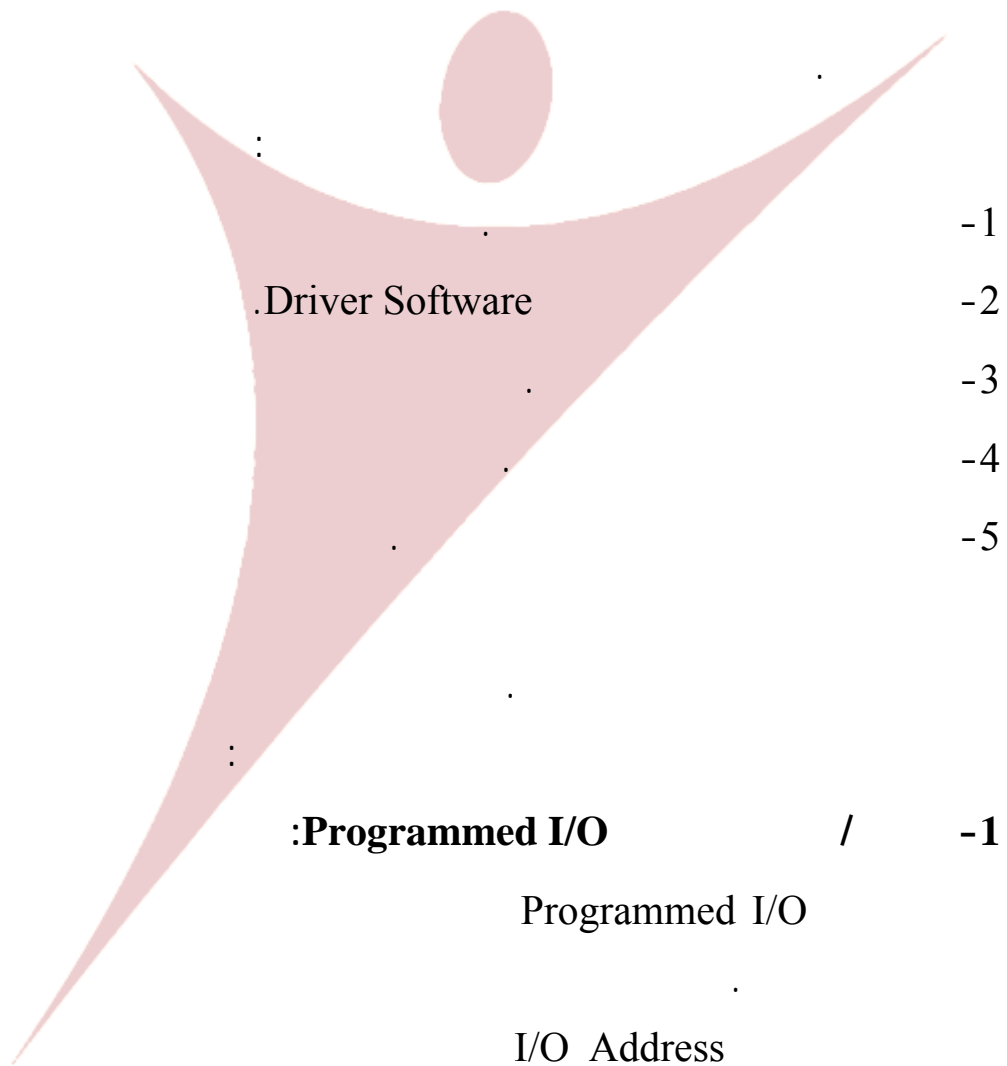
IRQ5    IRQ3

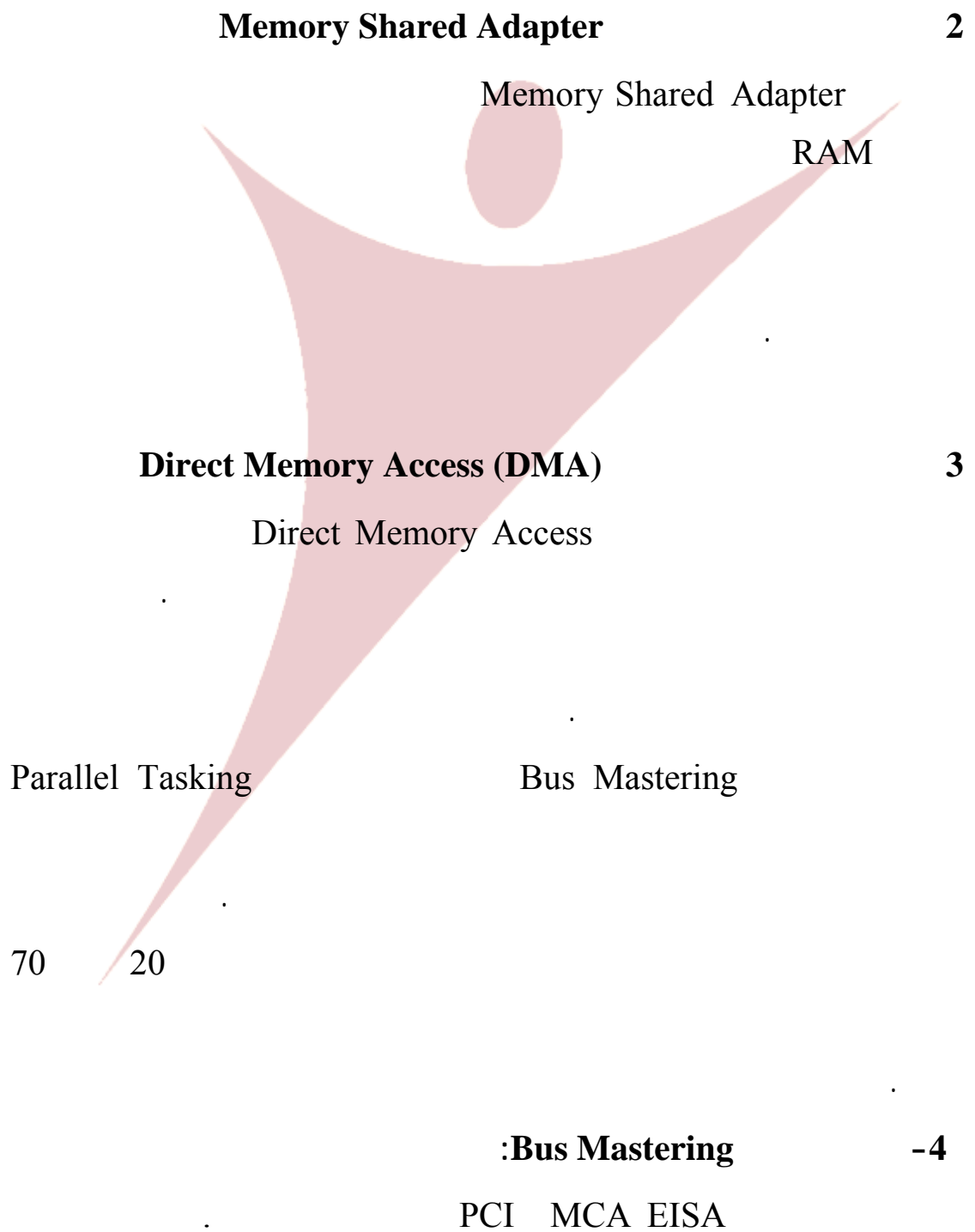
Input Output I/O Port Base

Base I/O

Port  
Hexadecimal format  
Port

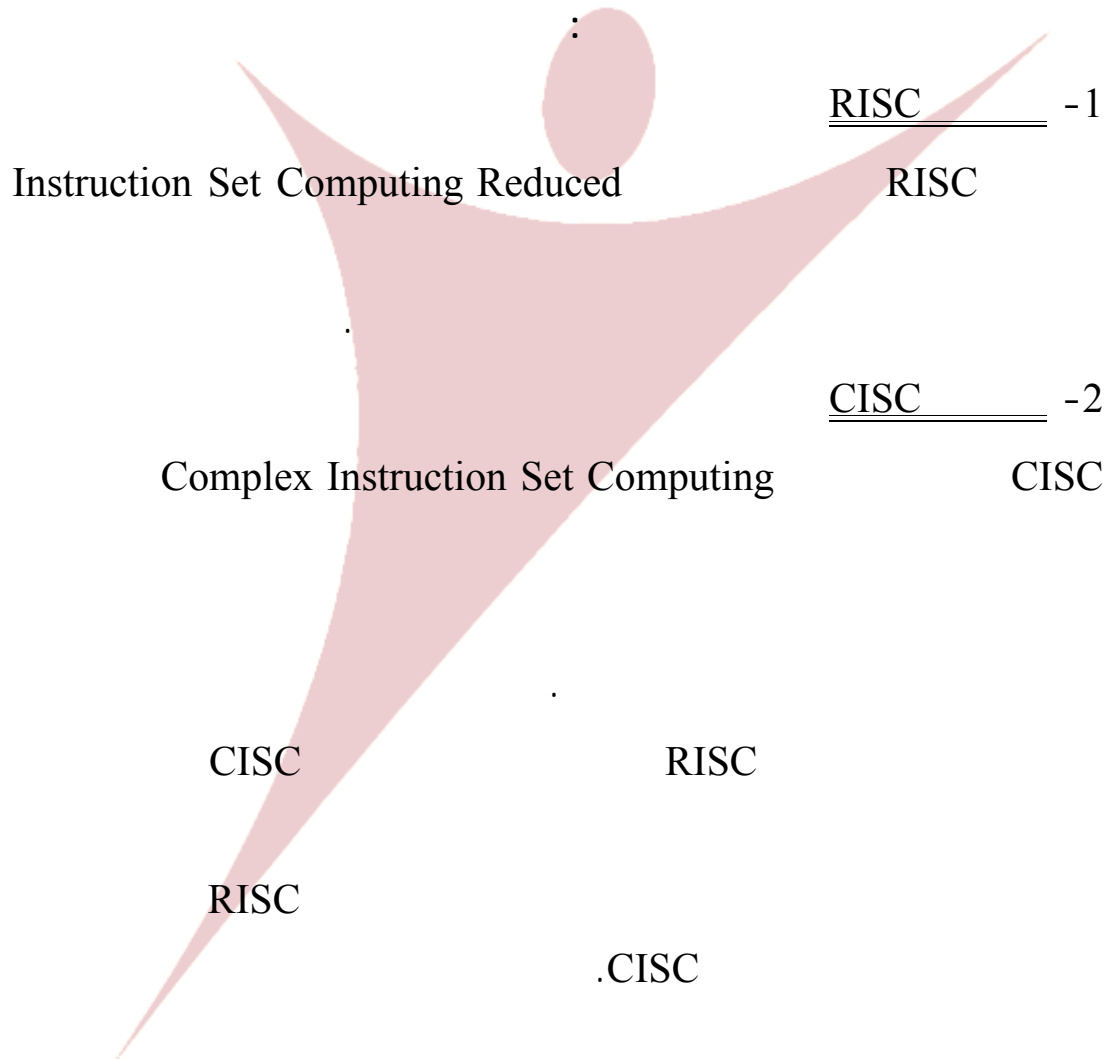
to 30F 300  
to 31F 310

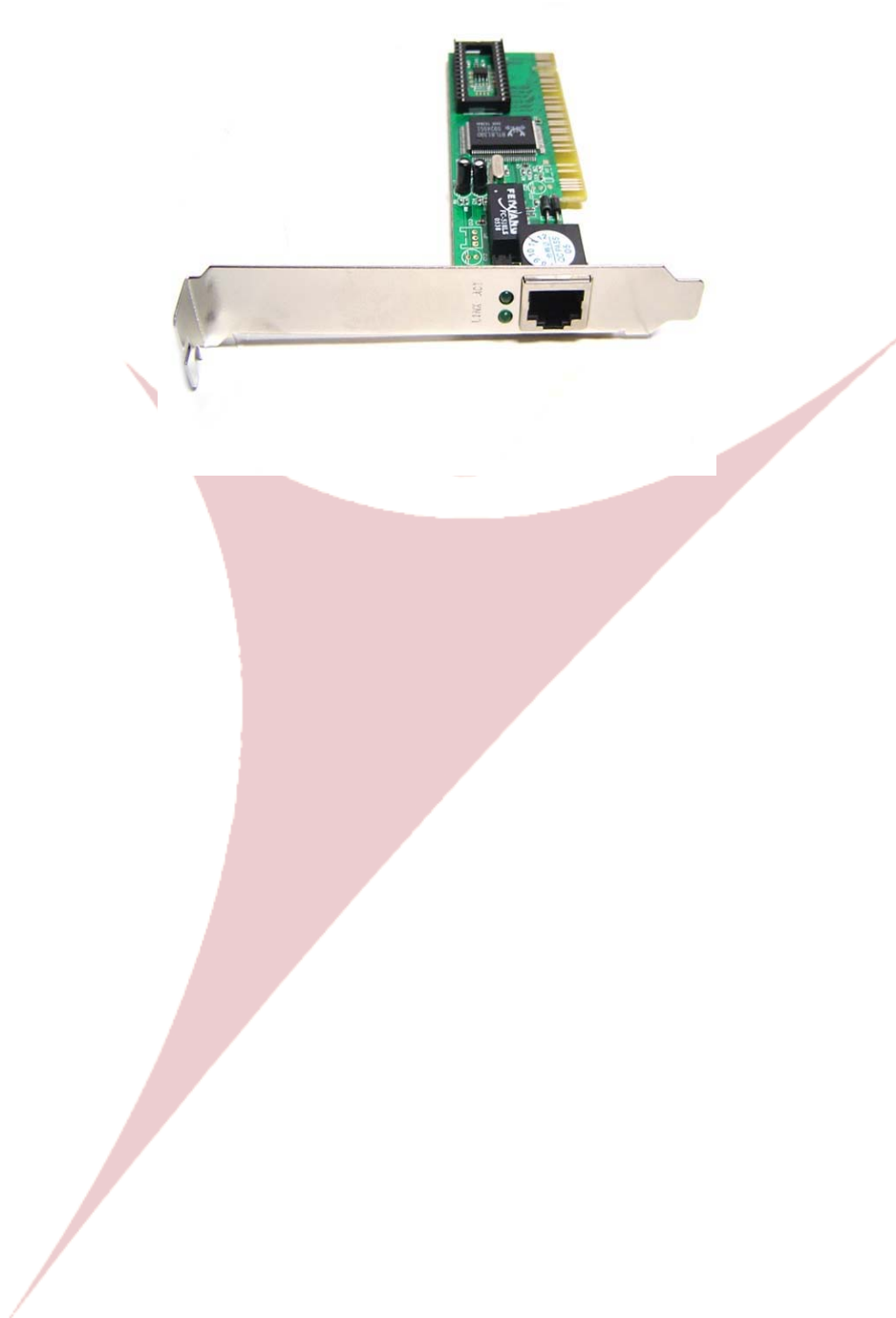


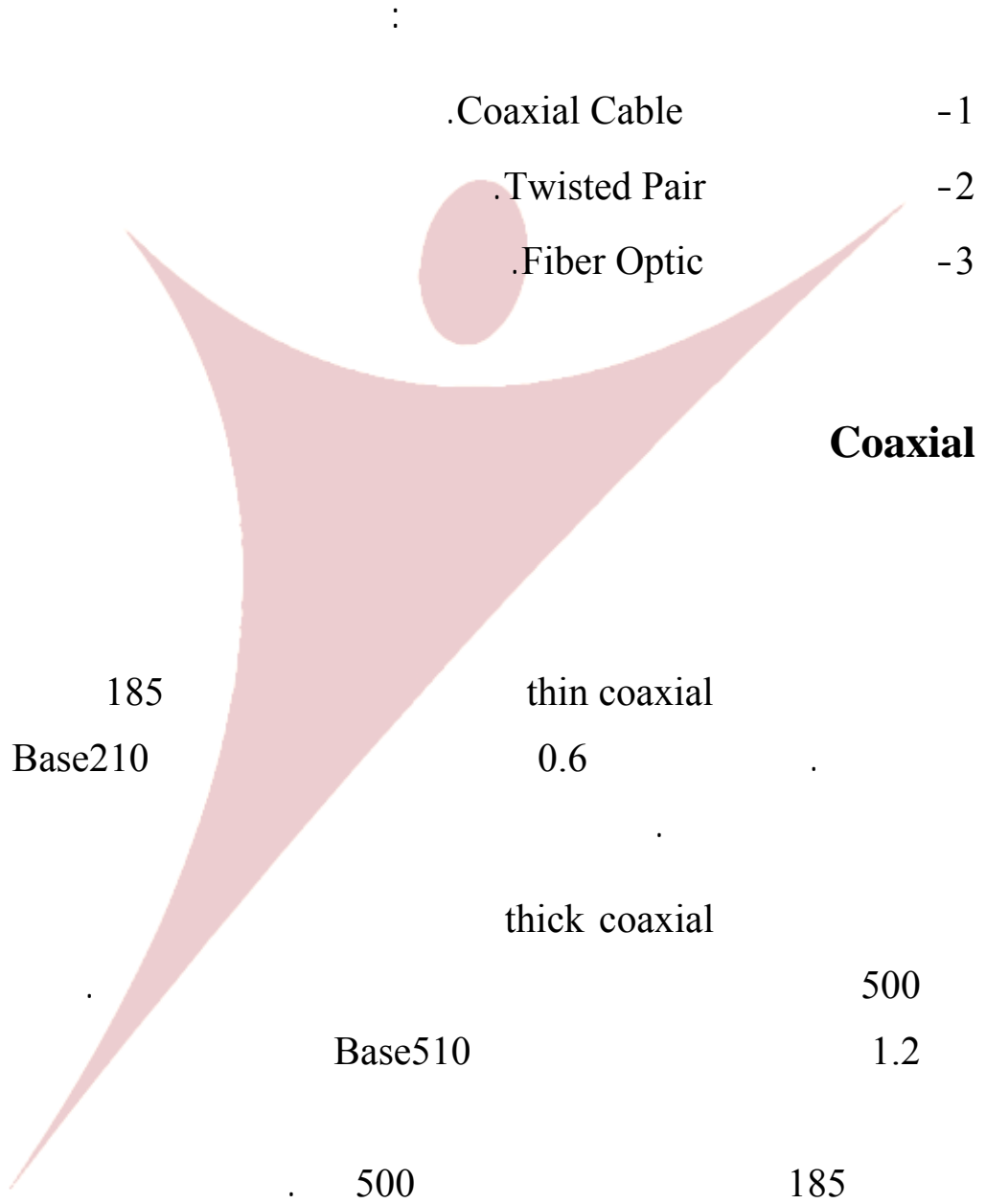




## Driver Network Card









### BNC

RG-11	RG-8 (	)	50 -1
			.( )
		RG-58	50 -2
		RG-59	75 -3
		RG-62	93 -4

ARCnet.

BNC (British Naval Connectors)

BNC

- BNC cable connector.
- BNC T connector.
- BNC barrel connector.
- BNC terminator.

### Twisted pair



STP

UTP

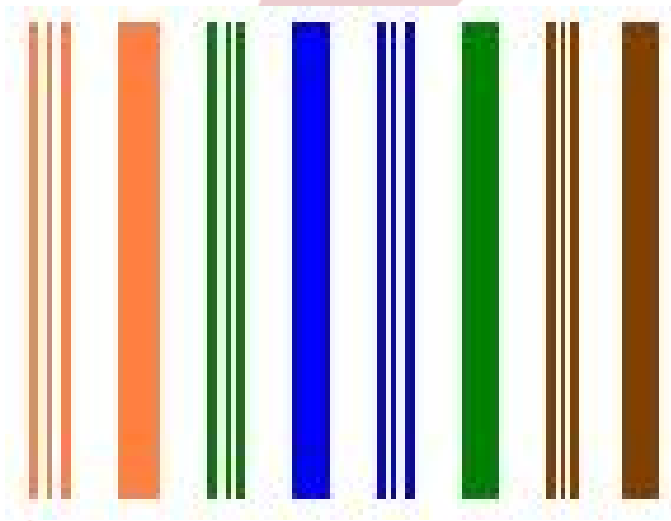


RJ-45

HUP

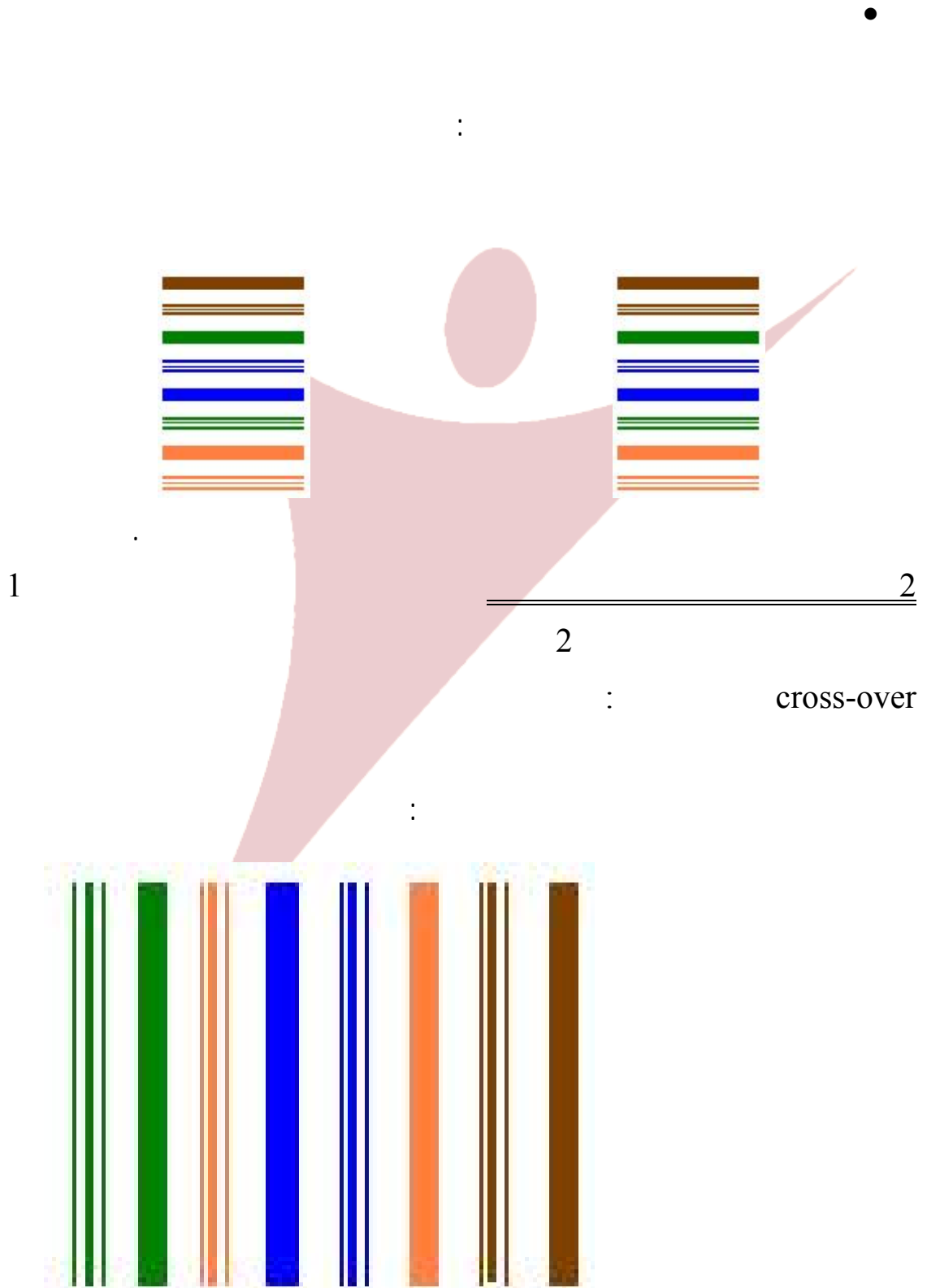
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3



RJ-45

1



:



: Fiber optic



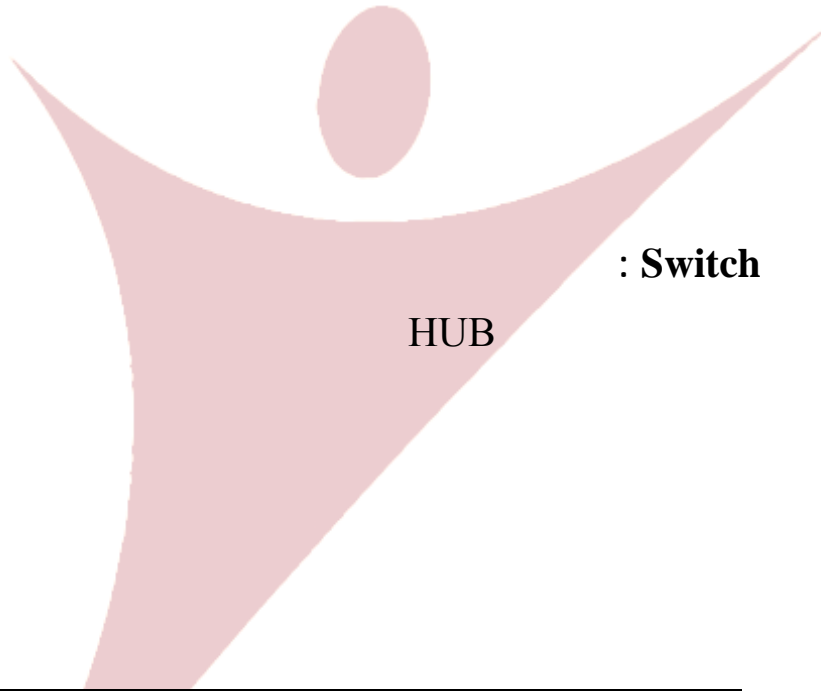
:

2

1

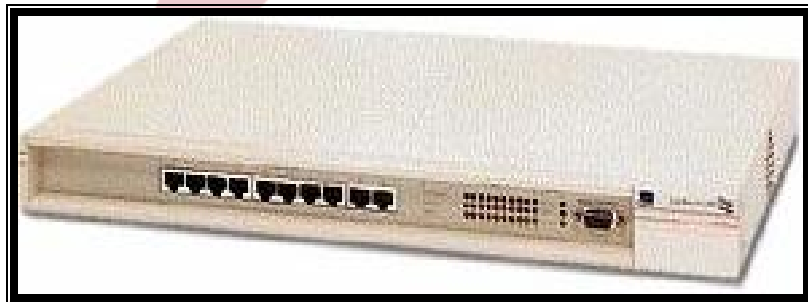
- 
- 
- 
-

**: HUB**



**: Switch**

HUB







**: Repeaters**

**: Bridges**

**: Routers**

IP

<p><b>BNC</b> <b>BNC</b></p>	
<p><b>BNC</b></p>	
<p><b>BNC</b></p>	
<p><b>Coaxial</b></p>	
<p><b>BNC</b></p>	
<p><b>RJ-45</b> <b>BNC</b></p>	

	
<p><b>RJ-45</b></p>	
<p><b>RJ-45</b></p>	
<p><b>RJ-45</b></p>	
<p>( )</p>	
<p><b>HUB</b></p>	

<b>RJ-45</b>	
<b>RJ-45</b>	
	
<b>RJ-45</b> <b>UTP</b>	