



NA Chairing	Interrupt 1412	
Daty Chaining	Interrupt	
Adv.	-mechanism by which an I/O device or	
- simple arbitration scheme	instruction can suspend the normal execution	
1) - requires very four control signals	of processor and get itself sorviced	
be odded	TCR	
Disadv	- interrupt sovice routine	
Disoner	- small prom or routine that when executed	
be changed	services, the corresponding interrupt tource	
to orange or buffer of stardation	is called an ISR.	
if master 1 is generating bus	Ve dored Non Vectored Interrupt	
caused at a high rate,	- If IsR address of interrupt is to be	
then rest of masters may not		
get bus sometimes	taken from interrupting source it relf	
Pellina	then it's called as non vectored interrupt	
Polling	the vertored interrupt	
Adv: -printly can be changed	Maskable/Non maskable interrupt	
by changing sequence of generation of addresses	Interrupt that can marked (disabled) or unmarked (anable) by programmer is called	
on poll count cine	as maskable interrupt	the non markable interry
Failure one of moster	Source of	interrupt
connot affect other masters		
Disadv:	H/W interest (I'm interest (trov conduction	
- polling requires more		S/W interrupt
for control line	H/W Interrupt	10.16
- Max no of mester to be	pin is given on processor	- an instruction is given in the instruction set of
I have to keep is restricted		processor
by poll count lines with n	- markable / non markable	- mostly non maskable 4
poll count lines, we can have	8	may have lower priority
Element of Bus Design	-vectored or non valored	- Veuto rad
Bus Type → dedicated	- of 8081 are NMI - INTR	- of 2096 are INTA where
> multiplexed		n is any valued from
Method of Arbitration		DOM to FFH
y si acentalized	Interrupt handling	
> distributed	- at the end of eau	
Timing	the 8086 cheeks to see if any interrupt have	
Synchronous	been requested.	
+ A cynchronous	-Therefore, whenever interrupt	
Bus Width	occurs. It was t immediately ::	
Adaress Bus Width	· Microprocessor first comprete execution of	
a bota Bus Width	interrupt	
Data Transfer type	Int or of	
+ Read		
1/11 - Read modified write	, ,	
Read after with		
) - Block		
1/1	11	1 / (X)