

I/O Modules And Hardware

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Digital I/O Modules

1746 Digital AC Input Modules

Cat. No.	Operating Voltage	Signal Delay, Max.	Off-State Current, Max.	Number of Inputs	Backplane Current Load @ 5V	Applications
1746-IA4	85...132V AC	on = 35 ms off = 45 ms	2 mA	4	35 mA	General-purpose 120V AC inputs
1746-IA8			2 mA	8	50 mA	
1746-IA16			2 mA	16	85 mA	
1746-IM4	170...265V AC	on = 35 ms off = 45 ms	2 mA	4	35 mA	General-purpose 220/240V AC inputs
1746-IM8			2 mA	8	50 mA	
1746-IM16			2 mA	16	85 mA	
1746-IN16	24V AC DC Sink (Source Load)	on = 15 ms DC off = 15 ms DC on = 25 ms AC off = 25 ms AC	1 mA	16	85 mA	V-AC or V-DC operation

1746 Digital DC Input Modules

Cat. No.	Operating Voltage	Signal Delay, Max.	Off-State Current, Max.	Number of Inputs	Backplane Current Load @ 5V	Applications
1746-IG16	4.5...5.5V DC source (sink load)	on = 0.25 ms off = 0.50 ms	—	16	140 mA	• TTL input • BCD inputs
1746-IB8	10...30V DC sink (source load)	on = 8 ms off = 8 ms	1 mA	8	50 mA	General-purpose DC inputs
1746-IB16	10...30V DC sink (source load)		1 mA	16	85 mA	
1746-IV8	10...30V DC source (sink load)	on = 8 ms off = 8 ms	1 mA	8	50 mA	
1746-IV16			1 mA	16	85 mA	
1746-ITV16		on = 0.3 ms* off = 0.5 ms	1.5 mA	16	85 mA	Fast response for time-critical applications
1746-ITB16	10...30V DC sink (source load)	on = 0.30 ms* off = 0.50 ms	1.5 mA	16	85 mA	
1746-IB32	15...30V DC sink	on = 3 ms	1 mA	32	106 mA	General-purpose DC inputs. High-