

5.3. Digital Modules

• Selection Guide

Digital Input Modules (Parallel Bus)										Table 5-3-1
Models	I-8040W	I-8040PW	I-8046W	I-8048W	I-8051W	I-8052W	I-8053W	I-8053PW	I-8058W	
Pictures										
Digital Input										
Channels	32		16	8	16	8	16		8	
Contact	Wet		Dry	Dry + Wet	Dry	Wet	Wet		Wet	
Sink /Source (NPN /PNP)	Sink, Source		Source	Sink, Source	Source	Sink, Source	Sink, Source		Sink, Source	
on	Voltage Level	10 ~ 30 V _{DC}	19 ~ 30 V _{DC}	Close to GND.	Isolated: 4 ~ 30 V Non-Isolated TTL: 0.8 V Max.	Close to GND.	10 ~ 30 V _{DC}	10 ~ 30 V _{DC}	19 ~ 30 V _{DC}	80 ~ 250 V _{AC}
off	Voltage Level	4 V _{DC} Max.	11 V _{DC} Max.	Open	Isolated: 1 V _{DC} Max. Non-Isolated TTL: 2 ~ 5 V _{DC}	Open	4 V _{DC} Max.	4 V _{DC} Max.	11 V _{DC} Max.	30 V _{AC} Max.
Low Pass Filter	-	Yes	-	-	-	-	-	-	Yes	-
Effective Distance for Dry Contact	-		500 m	100 m	100 m	-				
System										
Watchdog	-		-							
Isolation	3750 V _{rms}		3750 V _{rms}	1500 V _{rms}	-	5000 V _{rms}	3750 V _{rms}		5000 V _{rms}	
Power Consumption	0.65 W	1 W	1.3 W	1.75 W	1.1 W	0.3 W	0.4 W	0.45 W	0.6 W	
Connector	D-Sub 37			Terminal Block						
Optional Accessories	DN-37-381-A		-							
<p>I/O module with DN-37-381-A</p>										
<p>Note1. I-8048W supports hardware interrupt capturing. Each channel can be configured to capture either of rising edge or falling edge signal.</p> <div style="text-align: center;"> <p>Hardware Interrupt</p> <p>Response Time < 0.1 ms</p> </div>										
<ul style="list-style-type: none"> ■ We suggest to choose "P" version of digital input module for industrial use, example : I-8040PW, I-8053PW ... etc. ■ Effective distance for dry contact of DI/DIO module In general, the effective distance for dry contact of DI module is 100 m. With the enhanced circuit design, the distance can be extended up to 500 m. <div style="text-align: center;"> </div>										