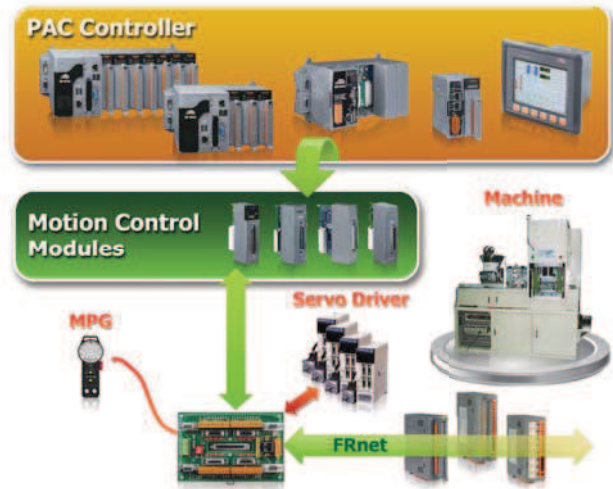


5.7. Motion Control Modules

Introduction

The i-8092/4/F/A/H is a 2/4-axis stepping/pulse-type servo motor control module. This module contains a high-performance motion ASIC. Apart from a wide speed range, this intelligent motion controller also has a variety of motion control functions built in, such as 2/3 (4 axis only) - axis linear interpolation, 2-axis circular interpolation, T/S-curve acceleration/deceleration, various synchronous actions (4 axis only), automatic homing(4 axis only), and others. In addition, most of the motion control functions are performed with light load on the processor. While driving the motors, the motion status, and the other I/O status on the PAC modules, can still be monitored. As a result of the low CPU loading requirements, one or more motion modules may be used on a single PAC controller.

The i8092F/4F/4H modules have one port of FRnet. The FRnet port allows this module to expand its fast remote I/O easily. This two-wired FRnet can automatically scan its 128 DI and 128 DO with a period of 2.88 ms.



Selection Guide

Motion Control Modules (Parallel Bus)						
Model Name	I-8092F	I-8093W	I-8094	I-8094F	I-8094A	I-8094H
Pictures						
Encoder Input						
Axis	2	3			4	
Counter	32-bit	32-bit			32-bit	
Speed (pps)	1 M	1 M			1 M	
Signal	CW/CCW, A/B	CW/CCW, A/B, Pulse/Dir			CW/CCW, A/B	
Command Pulse Output						
Axis	2	-			4	
Counter	32-bit	-			32-bit	
Speed (pps)	4 M	-			4 M	
Signal	CW/CCW, Pulse/Dir	-			CW/CCW, Pulse/Dir	
System						
Programmable CPU (MiniOS7 inside)		-	-	-	Yes	Yes
FRnet	Yes	-	-	Yes	-	Yes
Isolation	2500 V _{rms}					
Power Consumption	1.9 W	2 W	2 W	2.5 W	3 W	3.5 W
Optional Accessories	DN-8237	-	DN-8468	DN-8468	DN-8468	DN-8468

Daughter-Board for two-axis motion controller

DN-8237 Series	
	DN-8237GB : for general purpose usage
	DN-8237MB : for Mitsubishi servo J2 Amplifier
	DN-8237PB : for Panasonic servo minas A Amplifier
	DN-8237YB : for Yaskawa servo Amplifier
	DN-8237DB : for Delta ASDA A servo Amplifier

Dimensions: 110 mm X 107 mm

Daughter-Board for four-axis motion controller

DN-8468 Series	
	DN-8468GB : for general purpose usage
	DN-8468MB : for Mitsubishi servo J2 Amplifier
	DN-8468PB : for Panasonic servo minas A Amplifier
	DN-8468YB : for Yaskawa servo Amplifier
	DN-8468DB : for Delta ASDA A servo Amplifier
	DN-8468FB : for FUJI FALDIC-W servo Amplifier

Dimensions: 162 mm X 107 mm