

# XP-8xx7-CE6 Motion Control

## Features

- ISaGRAF provides IEC 61131-3 standard PLC open Syntax : The motion control design is easy and professional.
- Using XPAC-CE6 is more effective than using PLC : Using XPAC-CE6 for motion control is more effective to integrate motion controls, logic controls and I/O controls.
- Support free Soft-GRAF HMI designer : Design the control logic & HMI all-in-one.



## Motion Functions

- Independent 4-axis motion control
- Support hand wheel and jog functions
- 2/3-axis linear interpolation function
- 2-axis circular interpolation function
- Programmable T/S-curve acceleration and deceleration
- A maximum of 4M pps pulse output rate for each axis
- Pulse output types: CW/CCW or Pulse/Direction
- 32-bit encoder counter for each axis
- Encoder pulse input types: A/B phase or Up/Down
- Programmable automatic homing for each axis
- Position comparison management and software limits
- Expandable remote I/O:  
128 DI and 128 DO via two-wired FRnet interface
- Require low CPU loading in motion function process
- Several motion modules can be used in one XPAC-CE6 and other I/O statuses can be monitored at the same time

## Introduction

As a "Navigator of PAC", ICP DAS provides a new PAC motion control solution - XP-8xx7-CE6 Motion Control Solution. With the supporting of the ISaGRAF development software plus Soft-GRAF HMI, the XP-8xx7-CE6 plus the I-8094F/8094/8092F motion control solution makes users easily design a professional and user-friendly system with high effective integration in the motion controls, logic controls and I/O device controls.

## Main Specifications

PAC Model	XP-8347-CE6 (-PRO)	XP-8747-CE6 (-PRO)
Operating System	WinCE 6.0	
Development Software	ISaGRAF Ver. 3 : IEC 61131-3 standard. LD, ST, FBD, SFC, IL & FC. Support Soft-GRAF to design HMI.	
CPU	AMD LX 800 (32-bit & 500 MHz) processor or compatible	
Dual Watchdog Timers	Yes	
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year	
Flash	4 GB	
DDR SDRAM	512 MB	
VGA Resolution	1024 x 768	
Ethernet Port	2	
RS-232/RS-485 Port	4 (COM2 ~ COM5)	
I/O Slot	3	7
Power Supply	Input Range: +10 ~ +30 VDC (unregulated); Isolated : 1 kV	
Power Consumption	14.4 W (0.6 A @ 24 VDC)	16.8 W (0.7 A @ 24 VDC)
Environment	Operating Temperature : -25 ~ +75 °C ; Humidity : 5 ~ 90 % RH	
Motion Model	I-8092F-G (2-axis)	I-8094-G / I-8094F-G (4-axis)
Encoder Input	1M pps input rate, 32 bits counter. signal: cw/ccw, A/B	
Command Pulse Output	4M pps speed, 32 bits counter. signal: cw/ccw, pulse/dir	
Isolation Voltage	2500 Vrms	
Daughter Board	DN-8237 series	DN-8468 series

## Application



FAQ-132 : [www.icpdas.com](http://www.icpdas.com) > FAQ > Software > ISaGRAF

## Ordering Information

Model	Description
ISaGRAF-256-E	ISaGRAF Workbench Software Ver.3 (256 I/O Tags) with one USB Dongle and one English application book.
ISaGRAF-32-E	ISaGRAF Workbench Software Ver.3 ( 32 I/O Tags) with one English application book.
XP-8347-CE6 CR XP-8747-CE6 CR	3/7 slots, Ethernet, WinCE 6.0 Based ISaGRAF PAC (RoHS) . OS: Multi-language version
XP-8347-CE6-PRO CR XP-8747-CE6-PRO CR	3/7 slots, Ethernet, WinCE 6.0 Based ISaGRAF PAC (RoHS) . OS: Professional Multi-language version
I-8092F-G	High Speed 2-axis Motion Control Module with one FRnet master port
I-8094F-G / I-8094-G	High Speed 4-axis Motion Control Module with one FRnet master port (I-8094-G without FRnet master port)
I-8092 Daughter board	DN-8237GB (for General motor driver), DN-8237MB (for Mitsubishi servo J2 driver), DN-8237PB (for Panasonic servo minas A driver), DN-8237YB (for Yaskawa servo driver), DN-8237DB (for Delta ASDA A driver)
I-8094 Daughter board	DN-8468GB (for General motor driver), DN-8468MB (for Mitsubishi servo J2 driver), DN-8468PB (for Panasonic servo minas A driver), DN-8468YB (for Yaskawa servo driver), DN-8468DB (for Delta ASDA A driver), DN-8468FB (for FUJI FALDIC-W driver)
I-8092 Cable	D-sub 37 pin Male-Male cable: CA-3715DM-H (1.5M), CA-3730DM-H (3M), CA-3750DM-H (5M)
I-8094 Cable	SCSI II 68-pin Male-Male connector cable: CA-SCSI115-H (1.5M), CA-SCSI130-H (3M), CA-SCSI150-H (5M)