

PLC Programmable Controls: FPX Specifications

Automation Control Products

PLC Controls

- Communication Interfaces
- FPe
- FP0R
- FP?
- ▶ **FPX**
- FP2
- FP Impulse Controller
- FPWIN-PRO Software
- FPWIN-GR Software

HMI Panels

Industrial Sensors

Laser Markers

Servos & Drives

UV Curing Systems

Machine Vision/ID Products

Timers

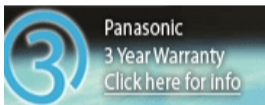
Limit Switches

Temperature Controllers

Counters

Hour Meters

Power Meters



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- CATALOG PDF
- SUPPORT
- SALES

Overview

Part Numbers

Specifications

Dimensions

Expansion Units

Software

Specifications for this product appear below.

[Download FPX product catalog in PDF format for more in-depth information](#)



Item		Description		
		Relay output type	Transistor output type	
Power supply and I/O Specifications	Power supply	100 to 240 V AC (AC power), 24 V DC (DC power)		
	Input	24VDC °C common		
	Output	2 A	0.5 A	
	Service power supply (AC power type only)	0.15 A (C14)/ 0.4 A (C30/ C60)		
Performance Specifications	Number of I/O points	C14	Input: 8 points, Output: 6 points	
		C30	Input: 16 points, Output: 14 points	
		C60	Input: 32 points, Output: 28 points	
	I/O points when expanded	C14	Max. 328 points (When using FP0 expansion units and add-on cassette)	
		C30	Max. 352 points (When using FP0 expansion units and add-on cassette)	
		C60	Max. 382 points (When using FP0 expansion units and add-on cassette)	
	Operation speed	0.32?s/step		
	Program memory	Flash ROM built-in (no battery backup required)		
	Program capacity	16 ksteps (C14), 32 ksteps (C30, C60)		
	Basic instructions	111		
	Applied instructions	216		
	Operation memory	Internal relay®	4096 points	
Timer/counter (T/C)		1024 points		
Data register (DT)		12285 words (C14), 32765 (C30, C60)		
Special functions	Pulse catch input	14 points	14 points	
	Interrupt input	14 points	14 points	
	Analog I/O	Input: Max. 24 ch, Output: Max. 12 ch (When using FP0 analog unit) Input: Max. 4 ch (When using add-on cassette)		
	Volume input	2 points (C14/C30), 4 points (C60)		
	High-speed counter	Input of main unit	Single-phase: 8 ch x Max. 10 kHz 2-phase: 4 ch Max. 5 kHz	Single-phase: 8 ch (High-speed: 4 ch, midium-speed: 4 ch) 2-phase: 4 ch (High-speed: 2 ch, midium-speed: 2ch) With high-speed single-phase: 1 ch x Max. 100 kHz 2 ch x Max. 80 kHz 3 ch x Max. 60 kHz 4 ch x Max. 50 kHz With high-speed 2-phase: 1 ch x Max. 35 kHz 2 ch x Max. 25 kHz With medium-speed single-phase: 4 ch x Max. 10 kHz each With Medium-speed 2-phase: 2 ch x Max. 5 kHz each
		when pulse I/Ocassette installed	Single-phase: 2 ch x Max. 80 kHz, 4 ch x Max. 50 kHz 2-phase: 1 ch x Max. 30 kHz, 2 ch x Max. 25 kHz	Pulse I/O cassette cannot be installed.
	Pulse output	Input of main unit	-	With high-speed 2 ch x Max. 100 kHz For linear interpolation, compositespeed: 100 kHz With medium-speed 2 ch x Max. 20 kHz For linear interpolation, compositespeed: 20 kHz
		when pulse I/Ocassette installed	1 ch x Max. 100 kHz, 2ch x Max. 80 kHz	Pulse I/O cassette cannot be installed.
	Serial interface	RS232C.RS485, USB, Ethernet		
	Network function	PLC Link, Computer link, Modem, Modbus-RTU		
Other functions	Program editing during RUN, Constant scan, 8-digit password, Program			