

Related Information

■ General terms and conditions..... F-3



[panasonic.net/id/pidsx/global](http://panasonic.net/id/pidsx/global)

## Features

- Scanning time of 1 ms for 20 k steps**  
 FP2SH enables to run 20 k steps program at 1 ms. It will dramatically decreased tact time and high-speed device.
- Large programming capacity of up to 120 k steps**  
 Both the large programming capacities of 32 k, 60 k and 120 k are available depending on the model.
- Optional small PC card is also available.**  
 The small PC card is available for programming backup or data memory expansion. This allows data processing of great amounts of data.
- Built-in comment and calendar timer functions**

## Scanning time of 1 ms for 20 k steps A high-performance model for high-speed operation

### POWER SUPPLY / I/O SPECIFICATIONS

Item	Descriptions
Power supply	100-120 V AC / 200-240 V AC / 100-240 V AC / 24 V DC (varies with different models)
Input	12 to 24 V DC / 24 V DC ±common
Output	Relay 2 A to 5 A, Transistor 0.1 A to 0.5 A (varies with different models)

### SPECIFICATIONS

Item	Descriptions	
Number of I/O points	Up to 768 points per one board	
Expansion	Standard Up to 1 backplane, Units: 25 max., I/O points: 1,600 max., Remote I/O points: 8,192 max.	
	H type Up to 3 backplane, Units: 32 max., I/O points: 2,048 max., Remote I/O points: 8,192 max.	
Operation speed	0.03 μs/step (Basic instruction)	
Built-in memory	RAM (ROM / small PC card is optional)	
Memory capacity	32 k steps approx. / 60 k steps approx. / 120 k steps approx. (varies with different models)	
	Operation memory	
Operation memory	Internal relay	14,192 points
	Timer / Counter (T/C)	3,072 points in total
	Data register	10,240 words
	File register	32,765 words × 3

### SPECIAL FUNCTIONS

Item	Descriptions	
Analog I/O	Available by adding analog input and analog output units.	
High speed counter	Available by adding high-speed counter unit. (Max. 200 kHz)	
Positioning	Available by adding positioning unit. (Max. 4 Mpps) * The positioning unit for RTEX can be used.	
	Serial	Standard equipped with CPU unit. Expandable by adding C.C.U., serial data unit and M.C.U.
Interrupt input	RS-232C port	Expandable by adding M.C.U.
	RS-422 RS-485	Available by adding high-speed counter unit or pulse I/O unit.

### SPECIAL NETWORK FUNCTIONS

Item	Descriptions
Remote I/O	<b>S-LINK, MEWNET-F</b>
PLC Link	<b>MEWNET-W2</b> (Wire)
	<b>MEWNET-W0</b>
	<b>MEWNET-VE</b> <b>FL-NET</b>
Computer Link	Linkable by using tool port or COM. port on CPU unit. Also available by adding M.C.U. and C.C.U.
Modem connection	Available

### OTHER BUILT-IN FUNCTIONS

Item	Descriptions
Program block-edit during RUN	Available
Constant scan	Available
Clock / Calendar function	Built-in type

FIBER SENSORS

LASER SENSORS

PHOTOELECTRIC SENSORS

MICRO PHOTOELECTRIC SENSORS

AREA SENSORS

SAFETY LIGHT CURTAINS / SAFETY COMPONENTS

PRESSURE / FLOW SENSORS

INDUCTIVE PROXIMITY SENSORS

PARTICULAR USE SENSORS

SENSOR OPTIONS

SIMPLE WIRE-SAVING UNITS

WIRE-SAVING SYSTEMS

MEASUREMENT SENSORS

STATIC CONTROL DEVICES

LASER MARKERS

PLC

HUMAN MACHINE INTERFACES

ENERGY MANAGEMENT SOLUTIONS

FA COMPONENTS

MACHINE VISION SYSTEMS

UV CURING SYSTEMS

Applications

PLC

Software

Program Transfer

Others

FP7

FP-X0

FP0R

FPΣ

FP-X

FP2SH

FP-e