Panasonic

ideas for life

NEW

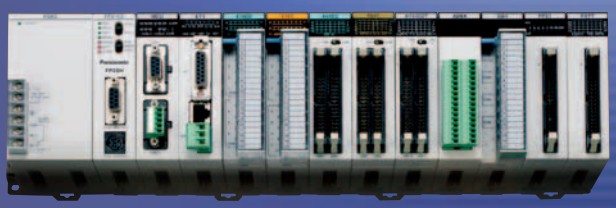
Programmable Controller

FP2SH

CE Conforming to EMC Directive

32 k Steps Type New Release





The wide selection of FP2SH units covers a variety of applications.

Backplanes



Power supply units



CPU units



Optional memory



NEW

32 k steps NEW
60 k steps
60 k steps
(For small PC card)
120 k steps
(For small PC card)

Input and Output units



16 / 32 / 64 points input
6 / 16 / 32 / 64 points output
32 points input / 32 points output mixed

Network-related units



FL-NET
Ethernet
VE link
S-LINK
PROFIBUS
DeviceNet
CANopen
Remote I/O
Multi-wire link
C.C.U.
S.D.U.

Positioning units



2 axes / 4 axes / 8 axes
RTEX
Multi function type
Interpolation type

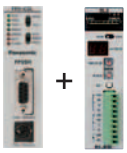
Analog input / output units and others



Voltage / Current input
Multiple analog input
R.T.D. input
Analog output
High-speed counter
Pulse I/O

REPLACEMENT OF FP2

We recommend that you replace your FP2 with the 32 k steps type FP2SH.

FP2	FP2SH
AFP2211 (FP2-C1) CPU unit standard type 	**AFP2221** (FP2-C2L) CPU unit 32 k steps 
AFP2212 (FP2-C1D) CPU unit with 64-point input 	**AFP2221** (FP2-C2L) CPU unit + **AFP23067** (FP2-X64D2) 64 points DC input unit 
AFP2214 (FP2-C1SL) CPU unit with S-LINK 	**AFP2221** (FP2-C2L) CPU unit + **AFP2780** × 2 (FP2-SL2) S-LINK unit 
FP2 Memory unit 	Embedded in FP2SH CPU unit **AFP2221** (FP2-C2L)
F-ROM and **EP-ROM**	Expansion memory unit **AFP2208**
Small PC card **AIC50020**	Small PC card **AFP2209**

Specification comparison

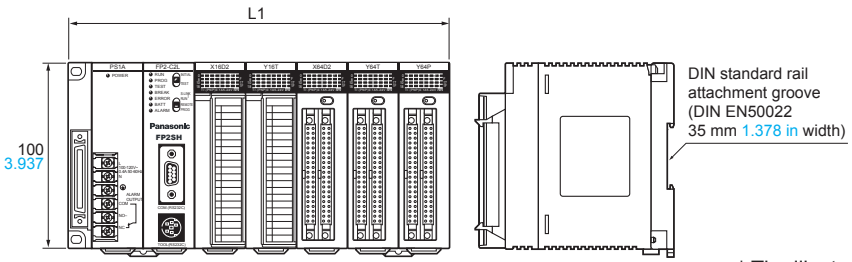
Item		FP2	FP2SH 32 k steps type
Operation speed		350 ns / step (for basic instruction) 930 ns / step (for high-level instruction)	30 ns / step (for basic instruction) 60 ns / step (for high-level instruction)
Program capacity		16 k steps	32 k steps
Number of controllable I/O points		2048 points max.	2048 points max.
Operation memory	Internal relay	4048 points	14192 points
	Data register	6000 words	10240 words
	File register	0 to 14333 words (0 to 30717 words when expanded)	32765 words
	Link data register	256 words	8448 words
Comment memory / calendar timer		Option	Built-in
Expansion (H type)		Up to three backplanes, 32 units max. Number of I/O points: 2048 points max. Remote I/O points: 2048 points max.	Up to three backplanes, 32 units max. Number of I/O points: 2048 points max. Remote I/O points: 8192 points max.

Note: Please check the operation speed and other performance indicators of the replacement unit.
There are no differences in the dimensions.

PRODUCT TYPE

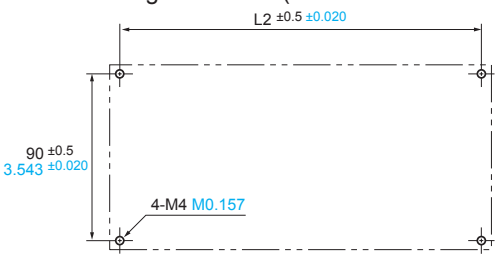
Product name	Specifications	Part No. (Product No.)
FP2SH CPU unit	32 k steps	**AFP2221** (FP2-C2L)
FP2SH Expansion memory unit	Equivalent to Expansion memory unit **AFP2207** (FP2-EM7) + F-ROM **AFP5208**	**AFP2208**

DIMENSIONS (Unit: mm in)



* The illustration shows a conventional 7-module type backplane.

Mounting dimension (Tolerance: ± 1.0 ± 0.039)



Conventional backplanes

	5-module	7-module	9-module	12-module	14-module
L1 (mm in)	140 5.512	209 8.228	265 10.433	349 13.740	405 15.945
L2 (mm in)	130 5.118	199 7.835	255 10.039	339 13.346	395 15.551

Note: The 5-module type does not have an expansion connector.

H type backplanes

	11-module (master backplane)	10-module (expansion backplane)
L1 (mm in)	349 13.740	349 13.740
L2 (mm in)	339 13.346	339 13.346

Notice of discontinuance of Programmable Controller FP2

We will discontinue the production of FP2 because parts and optional memory for FP2 CPU units became difficult to obtain.
End of order acceptance: End of March 2012
End of repair service: End of March 2019

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