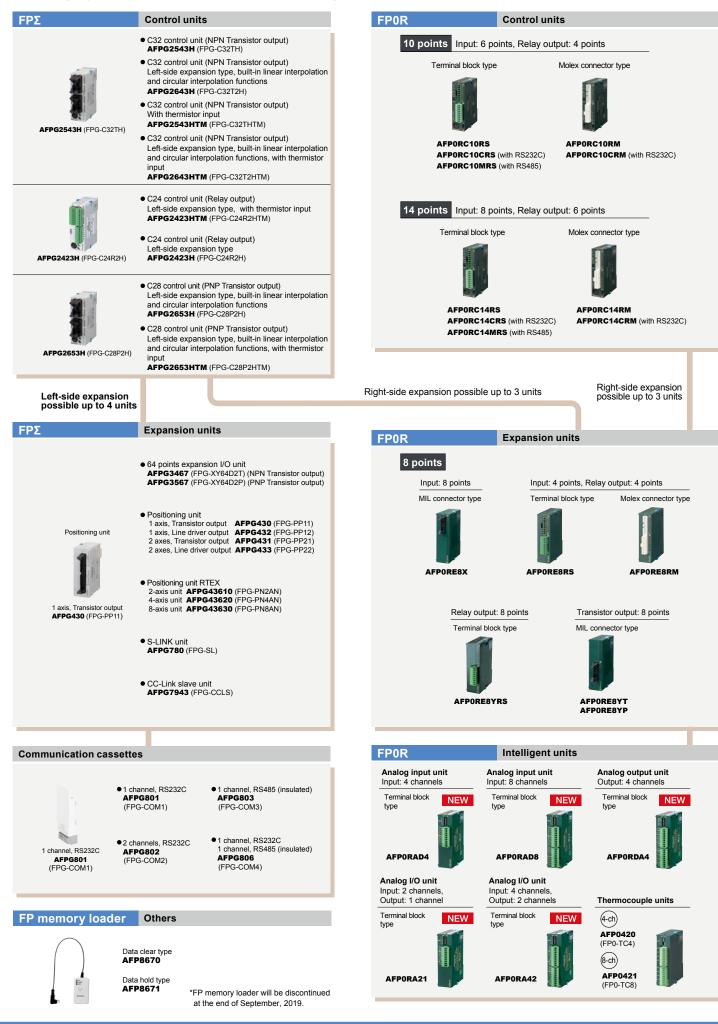
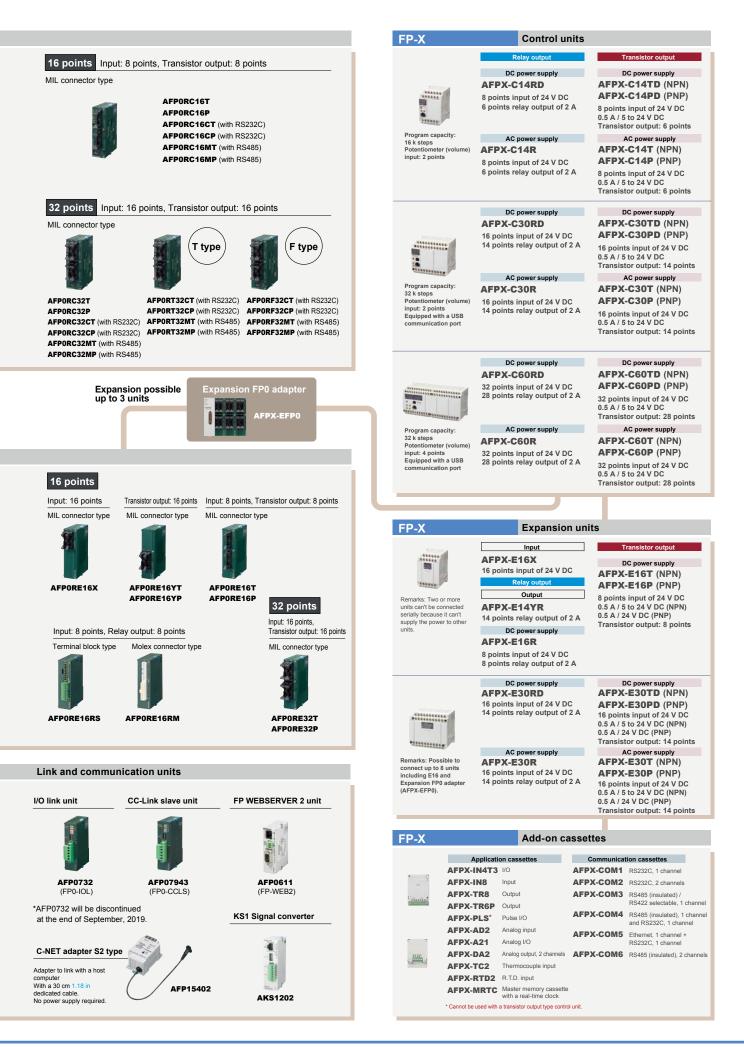
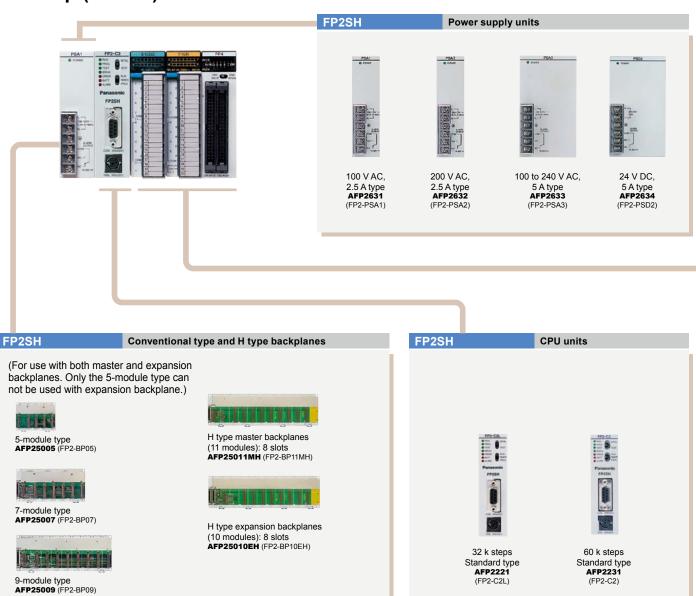
Lineup (FP0, FP0R, FPΣ, and FP-X)





Lineup (FP2SH)

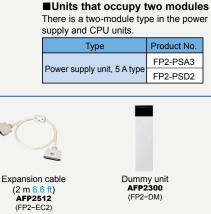


12-module type AFP25012 (FP2-BP12)



14-module type AFP25014 (FP2-BP14)





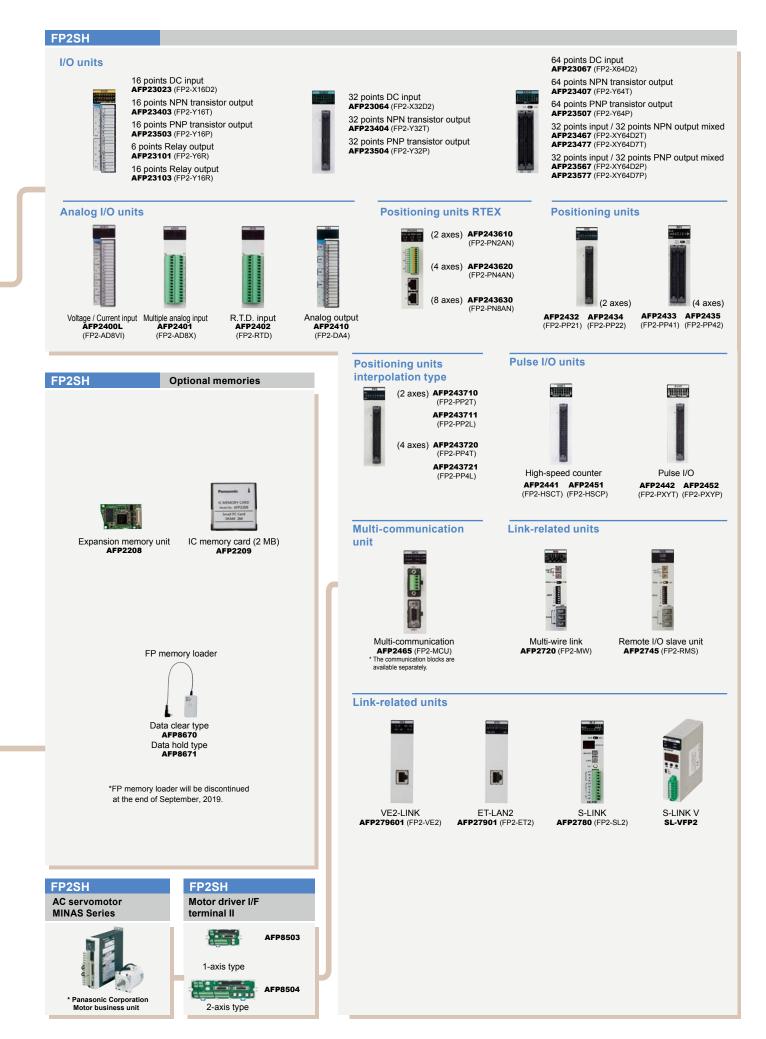


For small PC card AFP2235 (FP2-C2P)

6 6:

120 k steps For small PC card AFP2255 (FP2-C3P)

- **Unit combinations**
- Each unit is counted in the number of modules occupied. Most of the units occupy one module each. Some units occupy two modules each.
 Each unit is mounted on a backplane chosen depending on the total number of modules occupied by the all units used. The power supply
- unit and CPU unit must be mounted on the CPU backplane. Only one backplane other than the 5-module type can be added by using an expansion cable. Also, the 5-module type can not be used with
- expansion backplane. A power supply unit must be mounted on the expansion backplane. • If the backplane is of the H type, up to three backplanes can be added.
- Most of the units can be used in any combination; however, some combinations are subject to constraints due to the unit type, current consumption, and other factors besides the above requirements.
- Please contact us for details.



Part Number List

FP-e			1	The FP-e will b	e discontinued a	at the end of Se	ptember, 2019.
Control units	Product name	Specifications	Calendar timer	Thermocouple input	Communication port	Product No.	Part No.
		RS232C Basic type	Not available	Not available	RS232C	AFPE224300	AFPE224300
		RS232C Calendar timer type	Available	Not available	RS232C	AFPE224305	AFPE224305
	FP-e Control Unit	RS232C Thermocouple input type	Available	Available	RS232C	AFPE214325	AFPE214325
		RS485 Basic type	Not available	Not available	RS485	AFPE224302	AFPE224302
		RS485 Thermocouple input type	Not available	Available	RS485	AFPE214322	AFPE214322

Options

Product name	Part No.	
Backup battery	AFPG804	F
Rubber gasket	ATC18002	1
Mounting frame	ATA4811	1
Panel cover (Black) 20 pcs	AFPE803	

Product name	Part No.
Protective cover	AQM4803
Terminal screwdriver	AFP0806
Terminal socket set (4 terminal blocks)	AFPE804

FP0R

Control units

Product name	Built-in memory	Specifications						Part No.
FIDuuct name	(Program capacity)	Number	r of I/O points	Power supply voltage	Input	Output	Connection type	Part NO.
FP0R-C10 Control Unit	Flash EEPROM (16 k steps)	10	Input: 6 Output: 4	24 V DC	24 V DC Sink/Source (± common)	Relay: 2 A	Terminal block Molex	AFP0RC10R
	Flash EEPROM		Input: 6		24 V DC		connector Terminal block	AFP0RC10CF
FP0R-C10 Control Unit with RS232C port	(16 k steps)	10	Output: 4	24 V DC	Sink/Source (± common)	Relay: 2 A	Molex connector	AFP0RC10CF
FP0R-C10 Control Unit with RS485 port	Flash EEPROM (16 k steps)	10	Input: 6 Output: 4	24 V DC	24 V DC Sink/Source (± common)	Relay: 2 A	Terminal block	AFP0RC10MI
FP0R-C14 Control Unit	Flash EEPROM (16 k steps)	14	Input: 8 Output: 6	24 V DC	24 V DC Sink/Source (± common)	Relay: 2 A	Terminal block Molex connector	AFP0RC14R AFP0RC14R
FP0R-C14 Control Unit with RS232C port	Flash EEPROM (16 k steps)	14	Input: 8 Output: 6	24 V DC	24 V DC Sink/Source (± common)	Relay: 2 A	Terminal block Molex connector	AFP0RC14CF AFP0RC14CR
FP0R-C14 Control Unit with RS485 port	Flash EEPROM (16 k steps)	14	Input: 8 Output: 6	24 V DC	24 V DC Sink/Source (± common)	Relay: 2 A		AFP0RC14M
	Flash EEPROM		Input: 8		24 V DC	Transistor NPN: 0.2 A	MIL	AFP0RC161
FP0R-C16 Control Unit	(16 k steps)	16	Output: 8	24 V DC	Sink/Source (± common)		connector	AFP0RC16F
FP0R-C16 Control Unit with RS232C port	Flash EEPROM	16	Input: 8	24 V DC	24 V DC Sink/Source	Transistor NPN: 0.2 A	MIL	AFP0RC16C
	(16 k steps)	10	Output: 8	24 1 00	(± common)	n) Transistor PNP: 0.2 A	connector	AFP0RC16C
FP0R-C16 Control Unit with RS485 port	Flash EEPROM (16 k steps)	16	Input: 8 Output: 8	24 V DC	24 V DC Sink/Source (± common)	Transistor NPN: 0.2 A Transistor PNP: 0.2 A	MIL connector	AFP0RC16M
FP0R-C32 Control Unit	Flash EEPROM (32 k steps)	32	Input: 16 Output: 16	24 V DC	24 V DC Sink/Source	Transistor NPN: 0.2 A	MIL	AFP0RC321 AFP0RC32F
	Flash EEPROM		Input: 16		(± common) 24 V DC	Transistor PNP: 0.2 A Transistor NPN: 0.2 A	MIL	AFPORC326
FP0R-C32 Control Unit with RS232C port	(32 k steps)	32	Output: 16	24 V DC		Transistor PNP: 0.2 A	connector	AFP0RC32C
EDOD C22 Control Unit with DS485 not	Flash EEPROM	32	Input: 16	24.1/ 00	24 V DC Sink/Source	Transistor NPN: 0.2 A	MIL	AFP0RC32M
FP0R-C32 Control Unit with RS485 port	(32 k steps)	32	Output: 16	24 V DC	(± common)	Transistor PNP: 0.2 A	connector	AFP0RC32M
FP0R-T32 Control Unit with RS232C port and	Flash EEPROM	32	Input: 16	24 V DC	24 V DC Sink/Source	Transistor NPN: 0.2 A	MIL	AFP0RT32C
Real-time clock function	(32 k steps)		Output: 16		(± common)	Transistor PNP: 0.2 A	connector	AFP0RT32C
FP0R-T32 Control Unit with RS485 port and Real-time clock function	Flash EEPROM (32 k steps)	32	Input: 16 Output: 16	24 V DC	24 V DC Sink/Source	Transistor NPN: 0.2 A	MIL	AFP0RT32M
					(± common) 24 V DC	Transistor PNP: 0.2 A		AFP0RT32M
FP0R-F32 Control Unit with RS232C port and Battery-less automatic all data backup function	Flash EEPROM (32 k steps)	32	Input: 16 Output: 16	24 V DC	Sink/Source (± common)	Transistor NPN: 0.2 A Transistor PNP: 0.2 A	MIL connector	AFP0RF32C
FP0R-F32 Control Unit with RS485 port and	Flash EEPROM		Input: 16		24 V DC	Transistor NPN: 0.2 A	MIL	AFP0RF320
Battery-less automatic all data backup function	(32 k steps)	32	Output: 16	24 V DC	Sink/Source (± common)	Transistor PNP: 0.2 A	connector	AFP0RF32M

Note: A power cable (Part number: AFPG805) is supplied with the control units.

FP0

Control	units

	Built-in memory			Spec	fications	3			
Product name	(Program capacity)	Numb I/O po		Power supply voltage	Input	Output	Connection type	Product No.	Part No.
FP0-S-LINK Control Unit with RS232C port	EEPROM (5 k steps)		nput: 64 Dutput: 64	24 V DC	-	-	Terminal block	FP0-SL1	AFP02700

FPΣ

Control units

Product name	Built-in memory (Program capacity)	Specifications	Product No.	Part No.
FPΣ C32 Control Unit	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (NPN) 16 points I/O control points when expanded: 128 points max.	FPG- C32TH	AFPG2543H
FPΣ C32 Left-side Expansion Type Control Unit	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (NPN) 16 points I/O control points when expanded: 384 points max. Built-in linear interpolation and circular interpolation functions	FPG- C32T2H	AFPG2643H
$\ensuremath{FP\Sigma}$ C24 Left-side Expansion Type Control Unit	Flash EEPROM (32 k steps)	Input 16 points DC, Relay output 8 points I/O control points when expanded: 376 points max. (transistor output)	FPG- C24R2H	AFPG2423H
FPΣ C28 Left-side Expansion Type Control Unit (PNP)	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (PNP) 12 points I/O control points when expanded: 380 points max. Built-in linear interpolation and circular interpolation functions	FPG- C28P2H	AFPG2653H
$\ensuremath{FP\Sigma}$ C32 Control Unit with Thermistor input	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (NPN) 16 points I/O control points when expanded: 128 points max.	FPG- C32THTM	AFPG2543HTM
$\ensuremath{FP\Sigma}$ C32 Left-side Expansion Type Control Unit with Thermistor input	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (NPN) 16 points I/O control points when expanded: 384 points max. Built-in linear interpolation and circular interpolation functions	FPG- C32T2HTM	AFPG2643HTM
FPΣ C24 Left-side Expansion Type Control Unit with Thermistor input	Flash EEPROM (32 k steps)	Input 16 points DC, Relay output 8 points I/O control points when expanded: 376 points max. (transistor output)	FPG- C24R2HTM	AFPG2423HTM
FPΣ C28 Left-side Expansion Type Control Unit (PNP) with Thermistor input	Flash EEPROM (32 k steps)	Input 16 points DC, Transistor output (PNP) 12 points I/O control points when expanded: 380 points max. Built-in linear interpolation and circular interpolation functions	FPG- C28P2HTM	AFPG2653HTN

 * Thermistors with a resistance from 200 Ω to 75 k Ω can be used.

Expansion I/O units for FPΣ and FP0R (right-side expansion types)

Product	name	Specifications	Part No.
FP0R-E8 Expansion Unit		Input 8 points DC, MIL connector type	AFP0RE8X
		Input 4 points DC, Relay output 4 points, Terminal block type	AFP0RE8RS
		Input 4 points DC, Relay output 4 points, Connector type	AFP0RE8RM
		Relay output 8 points, Terminal block type	AFP0RE8YRS
		Transistor output (NPN) 8 points, MIL connector type	AFP0RE8YT
		Transistor output (PNP) 8 points, MIL connector type	AFP0RE8YP
FP0R-E16 Expansion Unit		Input 16 points DC, MIL connector type	AFP0RE16X
	Input 8 points DC, Relay output 8 points, Terminal block type		AFP0RE16RS
		Input 8 points DC, Relay output 8 points, Connector type	AFP0RE16RM
		Input 8 points DC, Transistor output (NPN) 8 points, MIL connector type	AFP0RE16T
		Input 8 points DC, Transistor output (PNP) 8 points, MIL connector type	AFP0RE16P
		Transistor output (NPN) 16 points, MIL connector type	AFP0RE16YT
		Transistor output (PNP) 16 points, MIL connector type	AFP0RE16YP
FP0R-E32 Expansion Unit		Input 16 points DC, Transistor output (NPN) 16 points, MIL connector type	AFP0RE32T
	-	Input 16 points DC, Transistor output (PNP) 16 points, MIL connector type	AFP0RE32P

Intelligent units for FPΣ and FP0R (right-side expansion types)

Product name	Specifications		Product No.	Part No.
FP0R Analog Input Unit	<input specifications=""/> Number or channels: 4 channels Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA (Resolution: 1/16,000)	Resolution: 1/16,000)	-	NEW AFP0RAD4
FP0R Analog Input Unit	<input specifications=""/> Number or channels: 8 channels Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA (Resolution: 1/16,000)	Resolution: 1/16,000)	-	NEW AFP0RAD8
FP0R Analog I/O Unit	<input specifications=""/> Number or channels: 2 channels Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA (Resolution: 1/16,000) <output specifications=""> Number or channels: 1 channel Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA, 4 to 20 mA (Resolution: 1/16,000)</output>	Resolution: 1/16,000)	-	NEW AFP0RA21
FP0R Analog I/O Unit	<input specifications=""/> Number or channels: 4 channels Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA (Resolution: 1/16,000) <output specifications=""> Number or channels: 2 channels Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA, 4 to 20 mA (Resolution: 1/16,000)</output>	-	NEW AFP0RA42	
FP0R Analog Output Unit	 <output specifications=""> Number or channels: 4 channels</output> Voltage -10 to +10 V, -5 to +5 V, 0 to +10 V, 0 to +5 V Current 0 to 20 mA, 4 to 20 mA (Resolution: 1/16,000) 	Resolution: 1/16,000)	-	NEW AFP0RDA4
FD0 The second second second	K, J, T, R thermocouple, Resolution: 0.1 °C 32.18 °F, 4-c	h	FP0-TC4	AFP0420
FP0 Thermocouple Unit	K, J, T, R thermocouple, Resolution: 0.1 °C 32.18 °F, 8-c	h	FP0-TC8	AFP0421
FP WEB-SERVER2	Unit for connecting FP series RS232C interface and Ethern Web-server function and E-mail sending function, Compatible with 100BASE-TX (100 Mbps).	et	FP0-WEB2	AFP0611
Control FP WEB	Cotting tool officiary for ED Web convert	Japanese version	AFPS30120	AFPS30120
Configurator Tool 2	Setting tool software for FP Web-server 2	English version	AFPS30520	AFPS30520
FP0 I/O Link Unit	This is a link unit designed to connect FP0 as a station to MEWNET-F (our remote	This is a link unit designed to connect FP0 as a station to MEWNET-F (our remote I/O system).		AFP0732
FP0 CC-link Slave Unit (Note)	Unit to connect to FP0 CC-link		FP0-CCLS	AFP07943
KS1 Signal Converter	RS232C/RS485 data can be easily monitored by LAN.		-	AKS1202

Note: It will be discontinued at the end of September, 2019.

Expansion units for FPΣ (left-side expansion type)

for	Product name	Specifications	Product No.	Part No.
	FPΣ	Input 32 points DC, Transistor output (NPN) 32 points, Maximum possible expansion is with a total of 4 units to the left side of the FPΣ control units	FPG- XY64D2T	AFPG3467
	64 points Expansion I/O Unit	Input 32 points DC, Transistor output (PNP) 32 points, Maximum possible expansion is with a total of 4 units to the left side of the FPΣ control units	FPG- XY64D2P	AFPG3567

Intelligent units	Product name	Specifi	Product No.	Part No.	
for FPΣ (left-side	FPΣ Positioning Unit	Pulse output type	1 axis, Transistor output	FPG-PP11	AFPG430
expansion types)	FPΣ Positioning Unit	Pulse output type	1 axis, Line driver output	FPG-PP12	AFPG432
	FPΣ Positioning Unit	Pulse output type	2 axes, Transistor output	FPG-PP21	AFPG431
	FPΣ Positioning Unit	Pulse output type	2 axes, Line driver output	FPG-PP22	AFPG433
	FPΣ Positioning Unit RTEX	Network type	2-axis type	FPG-PN2AN	AFPG43610
	FPΣ Positioning Unit RTEX	Network type	4-axis type	FPG-PN4AN	AFPG43620
	FPΣ Positioning Unit RTEX	Network type	8-axis type	FPG-PN8AN	AFPG43630
	Control Configurator BM	Dedicated tool software for positioning unit RTEX, Japanese version		-	AFPS66110
	Control Configurator PM	Dedicated tool software for positi	ioning unit RTEX, English version	-	AFPS66510
	FPΣ CC-Link Slave Unit	Unit to conne	FPG-CCLS	AFPG7943	
	FPΣ S-LINK Unit	Unit to connect to SUNX S-LINK I/O devices		FPG-SL	AFPG780

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ommunication	Product name	Specifications	Product No.	Part No.
assettes	FPΣ Communication Cassette 1 channel, RS232C type	Cassette for control unit installation. Enables communications with devices with RS232C interface.	FPG-COM1	AFPG801
	FPΣ Communication Cassette 2 channels, RS232C type	Cassette for control unit installation. Enables communications with devices with RS232C interface.	FPG-COM2	AFPG802
	FPΣ Communication Cassette 1 channel, RS485 type	Cassette for control unit installation. PLC linking between FP Σ s or communication with devices with RS485 interface possible.	FPG-COM3	AFPG803
	FPΣ Communication Cassette 1 channel, RS232C and 1 channel, RS485 type	Cassette for control unit installation. Enables communications with devices with RS232C interface and RS485 interface.	FPG-COM4	AFPG806

Options for FP0 and FPΣ

C-NET	Product name	Specifications	Part No.			
	For connection with a PLC (with cable)	r Connects FP0 to C-NET. Connects the FP0 programmer with the supplied cable. Requires no power supply	AFP15402			
		0 vo 20 voltave	Dette			
Options and	Product name	Specifications	Part No.			
maintenance parts	Backup battery for FPS	Battery for full-time back up of operation memory and clock/calendar function	AFPG804			
	FPΣ High capacity battery holder	Battery does not come with battery holder. Purchase a commercially available CR123A battery.	AFPG807			
	FP0 Slim 30 type mounting plate	Plastic plate to mount FPΣ units and FPΣ expansion units on a panel (including 10 pieces)	AFP0811			
	FP0 Slim type mounting plate	Plastic plate to mount FP0 expansion units on a panel (including 10 pieces)	AFP0803			
	Power cable for FP0	Included with FP0 unit. Maintenance part. 1 m 3.3 ft length (including 1 piece)				
	Power cable for FPΣ	Included with control unit. Maintenance part. 1 m 3.3 ft length				
		Data clear type				
	FP memory loader (Note)	Data hold type Relay output type Necessary when wiring terminals block (Phoenix).				
	Terminal screwdriver					
	Multi-wire connector pressure contact to	Necessary when wiring transistor output type connectors.	AXY52000FP			
	I/O cable for relay output molex type	Loose-wiring cable (9 leads) AWG20, with Molex socket attached at one end, Length: 1 m 3.3 ft	AFP0551			
	I/O cable for relay output molex type	0.5 mm ² , 1 set: 2 cables (blue & white). Length: 3 m 9.8 ft	AFP0553			
		Wire-pressed terminal cable (10 leads) AWG22, 0.3 mm ² with connectors Length: 1 m 3.3 ft	AFP0521			
	I/O cable for transistor output type	attached at one end, 1 set: 2 cables (blue & white). Length: 3 m 9.8 ft	AFP0523			
	Connector set for flat cable (10 leads) If you are using flat cable connector, request the part specified below for a connector with an asymmetrical design to prevent mistaken polarity. (including 4 pieces)	AFP0808			
	Terminal socket	Attaches to relay output and terminal block type. Maintenance part. (2 sokets per pack)				
	Molex socket	Attaches to relay output and Molex connector types. Maintenance part. (2 sokets per pack)	AFP0801			
	Wire-press socket (10 leads)	Attaches to transistor output type. Maintenance part. (2 sokets per pack)	AFP0807			
	Note: FP memory loader will be discontin	ued at the end of September. 2019.				

Motor driver I/F terminal II

Product name Specifications Part No. Motor driver I/F terminal II 1-axis type AFP8503 I/F terminal for connecting the MINAS series and FP Σ positioning unit / FP2 multi function type positioning unit. AFP8504 Motor driver I/F terminal II 2-axis type Exclusive cable for MINAS A4 / A5 series, 1 m 3.281 ft AFP85151 Cable for connecting the MINAS A4 / A5 series and motor driver I/F terminal II. AFP85152 Exclusive cable for MINAS A4 / A5 series, 2 m 6.562 ft Connection cable for posiotioning unit, 0.5 m 1.640 ft Connection cable for posiotioning unit, 1 m 3.281 ft Motor driver I/F terminale II. AFP85100 AFP85101

FP-X

Control units

Product name	Power supply	Specifications	Program capacity	Potentio- meter	USB port	Part No.
FP-X C14R	100 to 240 V AC	8-point input of 24 V DC, 6-point relay output of 2 A	16 k steps	2-point	Not available	AFPX-C14R
FP-X C14RD	24 V DC	8-point input of 24 V DC, 6-point relay output of 2 A	16 k steps	2-point	Not available	AFPX-C14RD
FP-X C30R	100 to 240 V AC	16-point input of 24 V DC, 14-point relay output of 2 A	32 k steps	2-point	Available	AFPX-C30R
FP-X C30RD	24 V DC	16-point input of 24 V DC, 14-point relay output of 2 A	32 k steps	2-point	Available	AFPX-C30RD
FP-X C60R	100 to 240 V AC	32-point input of 24 V DC, 28-point relay output of 2 A	32 k steps	4-point	Available	AFPX-C60R
FP-X C60RD	24 V DC	32-point input of 24 V DC, 28-point relay output of 2 A	32 k steps	4-point	Available	AFPX-C60RD
FP-X C14T	100 to 240 V AC	8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)	16 k steps	2-point	Not available	AFPX-C14T
FP-X C14TD	24 V DC	8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)	16 k steps	2-point	Not available	AFPX-C14TD
FP-X C14P	100 to 240 V AC	8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (PNP)	16 k steps	2-point	Not available	AFPX-C14P
FP-X C14PD	24 V DC	8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (PNP)	16 k steps	2-point	Not available	AFPX-C14PD
FP-X C30T	100 to 240 V AC	16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN)	32 k steps	2-point	Available	AFPX-C30T
FP-X C30TD	24 V DC	16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN)	32 k steps	2-point	Available	AFPX-C30TD
FP-X C30P	100 to 240 V AC	16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (PNP)	32 k steps	2-point	Available	AFPX-C30P
FP-X C30PD	24 V DC	16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (PNP)	32 k steps	2-point	Available	AFPX-C30PD
FP-X C60T	100 to 240 V AC	32-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 28-point output of transistor (NPN)	32 k steps	4-point	Available	AFPX-C60T
FP-X C60TD	24 V DC	32-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 28-point output of transistor (NPN)	32 k steps	4-point	Available	AFPX-C60TD
FP-X C60P	100 to 240 V AC	32-point input of 24 V DC, 0.5 A / 24 V DC, 28-point output of transistor (PNP)	32 k steps	4-point	Available	AFPX-C60P
FP-X C60PD	24 V DC	32-point input of 24 V DC, 0.5 A / 24 V DC, 28-point output of transistor (PNP)	32 k steps	4-point	Available	AFPX-C60PD
	FP-X C14R FP-X C14RD FP-X C30R FP-X C30RD FP-X C60RD FP-X C60RD FP-X C14TD FP-X C14TD FP-X C14TD FP-X C14TD FP-X C14PD FP-X C30TD FP-X C30PD FP-X C30PD FP-X C60T FP-X C60T FP-X C60P	FP-X C14R 100 to 240 V AC FP-X C14RD 24 V DC FP-X C30RD 24 V DC FP-X C30RD 24 V DC FP-X C60RD 24 V DC FP-X C60RD 24 V DC FP-X C60RD 24 V DC FP-X C14TD 100 to 240 V AC FP-X C14TD 24 V DC FP-X C14TD 24 V DC FP-X C14TD 24 V DC FP-X C14PD 24 V DC FP-X C14PD 24 V DC FP-X C30TD 24 V DC FP-X C30TD 24 V DC FP-X C30TD 24 V DC FP-X C30PD 24 V DC FP-X C30TD 24 V DC FP-X C60TD 24 V DC FP-X C60TD 24 V DC FP-X C60TD 24 V DC FP-X C60P 100 to 240 V AC	FP-X C14R100 to 240 V AC8-point input of 24 V DC, 6-point relay output of 2 AFP-X C14RD24 V DC8-point input of 24 V DC, 6-point relay output of 2 AFP-X C30R100 to 240 V AC16-point input of 24 V DC, 14-point relay output of 2 AFP-X C30RD24 V DC16-point input of 24 V DC, 14-point relay output of 2 AFP-X C60R100 to 240 V AC32-point input of 24 V DC, 28-point relay output of 2 AFP-X C60RD24 V DC32-point input of 24 V DC, 28-point relay output of 2 AFP-X C14T100 to 240 V AC8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)FP-X C14TD24 V DC8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)FP-X C14P100 to 240 V AC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)FP-X C14P100 to 240 V AC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (PNP)FP-X C14P100 to 240 V AC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (PNP)FP-X C30TD24 V DC16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN)FP-X C30TD24 V DC16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)FP-X C30PD24 V DC16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)FP-X C30PD24 V DC16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)FP-X C60TD100 to 240 V AC32-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)FP-X	FP-X C14R100 to 240 V AC8-point input of 24 V DC, 6-point relay output of 2 A16 k stepsFP-X C14RD24 V DC8-point input of 24 V DC, 6-point relay output of 2 A16 k stepsFP-X C30R100 to 240 V AC16-point input of 24 V DC, 14-point relay output of 2 A32 k stepsFP-X C30RD24 V DC16-point input of 24 V DC, 14-point relay output of 2 A32 k stepsFP-X C30RD24 V DC16-point input of 24 V DC, 14-point relay output of 2 A32 k stepsFP-X C60R100 to 240 V AC32-point input of 24 V DC, 28-point relay output of 2 A32 k stepsFP-X C60RD24 V DC32-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k stepsFP-X C14TD100 to 240 V AC8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k stepsFP-X C14TD24 V DC8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k stepsFP-X C14PD100 to 240 V AC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k stepsFP-X C14PD24 V DC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)32 k stepsFP-X C30T100 to 240 V AC16-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)32 k stepsFP-X C30TD24 V DC16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)32 k stepsFP-X C30TD24 V DC16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN)32 k stepsFP-X C30TD	ReferenceCapacitymeterFP-X C14R100 to 240 VAC8-point input of 24 V DC, 6-point relay output of 2A16 k steps2-pointFP-X C14RD24 V DC8-point input of 24 V DC, 6-point relay output of 2A16 k steps2-pointFP-X C30R100 to 240 VAC16-point input of 24 V DC, 14-point relay output of 2A32 k steps2-pointFP-X C30RD24 V DC16-point input of 24 V DC, 14-point relay output of 2A32 k steps2-pointFP-X C30RD24 V DC16-point input of 24 V DC, 28-point relay output of 2A32 k steps4-pointFP-X C60R100 to 240 V AC32-point input of 24 V DC, 28-point relay output of 2A32 k steps4-pointFP-X C60RD24 V DC32-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointFP-X C14T100 to 240 V AC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointFP-X C14P24 V DC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointFP-X C14PD24 V DC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)32 k steps2-pointFP-X C14PD24 V DC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)32 k steps2-pointFP-X C14PD24 V DC8-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (NPN)32 k steps2-pointFP-X C30TD100 to 240 V AC16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point o	Ref with the stepsCapacitymeterportFP-XC14R100 to 240 VAC8-point input of 24 V DC, 6-point relay output of 2A16 k steps2-pointNot availableFP-XC14RD24 V DC8-point input of 24 V DC, 6-point relay output of 2A32 k steps2-pointNot availableFP-XC30RD100 to 240 VAC16-point input of 24 V DC, 14-point relay output of 2A32 k steps2-pointAvailableFP-XC30RD24 V DC16-point input of 24 V DC, 14-point relay output of 2A32 k steps2-pointAvailableFP-XC60RD100 to 240 VAC32-point input of 24 V DC, 28-point relay output of 2A32 k steps4-pointAvailableFP-XC60RD24 V DC32-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointAvailableFP-XC14TD100 to 240 VAC8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointAvailableFP-XC14TD100 to 240 VAC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointAvailableFP-XC14TD100 to 240 VAC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointNot availableFP-XC14TD100 to 240 VAC8-point input of 24 V DC, 0.5 A / 24 V DC, 6-point output of transistor (NPN)16 k steps2-pointNot availableFP-XC14PD24 V DC16-point input of 24 V DC

Expansion units

Note: The 24 V DC inputs of all units are bi-directional (sink/source) inputs.

	Pr	oduct name	Power supply	Specifications	Part No.
	Indu	FP-X E16X Expansion Input Unit	(Power is supplied from the left-side unit.)	16-point input of 24 V DC	AFPX-E16X
	Output	FP-X 14YR Expansion Output Unit	(Power is supplied from the left-side unit.)	14-point output of 24 V DC	AFPX-E14Y
Relay output		FP-X E16R Expansion I/O Unit	(Power is supplied from the left-side unit.)	8-point input of 24 V DC, 8-point relay output of 2 A Remarks; Two or more units can't be connected serially because it can't supply the power to other units. With an 8 cm 3.15 in extension cable	AFPX-E16F
Relay		FP-X E30R Expansion I/O Unit	100 to 240 V AC	16-point input of 24 V DC, 14-point relay output of 2 A Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30F
		FP-X E30RD Expansion I/O Unit	24 V DC	16-point input of 24 V DC, 14-point relay output of 2 A Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30R
	Input and output	FP-X E16T Expansion I/O Unit	(Power is supplied from the left-side unit.)	8-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 8-point output of transistor (NPN) Remarks; Two or more units can't be connected serially because it can't supply the power to other units. With an 8 cm 3.15 in extension cable	AFPX-E16
	Input an	FP-X E16P Expansion I/O Unit	(Power is supplied from the left-side unit.)	8-point input of 24 V DC, 0.5 A / 24 V DC, 8-point output of transistor (PNP) Remarks; Two or more units can't be connected serially because it can't supply the power to other units. With an 8 cm 3.15 in extension cable	AFPX-E16
or output		FP-X E30TD Expansion I/O Unit	24 V DC	16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN) Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30T
Transistor output		FP-X E30T Expansion I/O Unit	100 to 240 V AC	16-point input of 24 V DC, 0.5 A / 5 to 24 V DC, 14-point output of transistor (NPN) Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30
		FP-X E30PD Expansion I/O Unit	24 V DC	16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (PNP) Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30P
		FP-X E30P Expansion I/O Unit	100 to 240 V AC	16-point input of 24 V DC, 0.5 A / 24 V DC, 14-point output of transistor (PNP) Remarks; Possible to connect up to 8 units including E16 and AFPX-EFP0. With an 8 cm 3.15 in extension cable	AFPX-E30
		ansion FP0 pter	24 V DC	Up to three FP0 expansion units can be connected via an adapter. With an 8 cm 3.15 in extension cable and power cable	AFPX-EFP

Note: The 24 V DC inputs of all units are bi-directional (sink/source) inputs.

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Add-on cassettes

Product name	Specifications	Part No.
FP-X I/O cassette	4-point input of 24 V DC, bi-directional (sink/source), 3-point output of NPN transistor 0.3 A/24 V DC	AFPX-IN4T
FP-X Input cassette	8-point input of 24 V DC, bi-directional (sink/source)	AFPX-IN8
	8-point output of NPN transistor, 0.3 A / 24 V DC	AFPX-TR8
FP-X Output cassette	6-point output of PNP transistor, 0.5 A / 24 V DC	AFPX-TR6P
FP-X Pulse I/O cassette	High-speed counter input: single-phase 2 channels, each 80 k Hz or two-phase 1 channel, 30 k Hz Pulse output: one axis 100 kHz / channel (Use restriction is applied for a two-unit installation) Cannot be used with a transistor output type control unit.	AFPX-PLS
FP-X Analog input cassette	2-point analog input, 0 to 10 V / 0 to 20 mA, 12-bit, 2 ms / 2 channels (non-insulated)	AFPX-AD2
FP-X Analog output cassette	2-point analog output, 0 to 10 V / 0 to 20 mA, 12-bit, 2 ms / 2 channels (insulated)	AFPX-DA2
FP-X Analog I/O cassette	2-point analog input, 0 to 5 V / 0 to 10 V or 0 to 20 mA, 12-bit, 2 ms / 2 channels (insulated) 1 point analog output, 0 to 10 V / 0 to 20 mA, 12-bit, 1 ms / 1 channel (insulated)	AFPX-A21
FP-X Thermocouple input cassette	2-point thermocouple input, K / J type, Resolution: 0.2 °C 32.36 °F, 200 ms / 2 channels (between channels: insulated)	AFPX-TC2
FP-X R.T.D. input cassette	2-points R.T.D. input, Pt100, Resolution: 0.1 °C 32.18 °F, 200 ms (between channels: insulated)	AFPX-RTD2
FP-X Master memory cassette with a real-time clock	Master memory: Capable of storing all program steps and comments simultaneously. Storage of FPWIN Pro source files Real time clock: Year, month, day, hour, minute, second, day of week (optional battery required)	AFPX-MRT0
FP-X COM1 Communication cassette	RS232C 1 channel, RS and CS control signal equipped (non-insulated)	AFPX-COM
FP-X COM2 Communication cassette	RS232C 2 channels (non-insulated)	AFPX-COM
FP-X COM3 Communication cassette	RS485 / RS422 selectable 1 channel (insulated)	AFPX-COM
FP-X COM4 Communication cassette	RS485 1 channel (insulated) and RS232C 1 channel (non-insulated)	AFPX-COM
FP-X COM5 Communication cassette	Ethernet 1 channel (10BASE-T, 100BASE-TX) and RS232C 1 channel (non-insulated)	AFPX-COM
FP-X COM6 Communication cassette	RS485 2 channels (insulated)	AFPX-COM
Control Configurator WD	Tool software for setting the Ethernet port of the COM5 communication cassette (Can be downloaded free of charge from our website)	

Options and maintenance par

	Product name	Specifications	Part No.
arts	FP-X Backup battery	Battery for backing up the operation memory and real-time clock	AFPX-BATT
		Expansion unit connection cable, 8 cm 3.15 in	AFPX-EC08
	FP-X Expansion cable	Expansion unit connection cable, 30 cm 11.81 in	AFPX-EC30
		Expansion unit connection cable, 80 cm 31.50 in	AFPX-EC80
	FP-X Terminal block	Terminal block for C30, C60 and E30, 21 pins, cover with no marking, four units included	AFPX-TAN1

FP2SH

CPU units (Built-in RAM)

FP2SH

	Operation	Built-in	0	Optional memory		Other			
Product name	speed	RAM	Expansion RAM	ROM	IC memory card	Clock/ calendar	Comment memory	Product No.	Part No.
32 k Standard type		32 k steps	Not available	Available (separately sales)	Not available	Available (built-in)	Available (built-in)	FP2-C2L	AFP2221
60 k Standard type	From	60 k steps	Not available	Available (separately sales)	Not available	Available (built-in)	Available (built-in)	FP2-C2	AFP2231
60 k type with IC memory card interface	0.03 µs	60 k steps	Not available	Available (built-in)	Available (separately sales)	Available (built-in)	Available (built-in)	FP2-C2P	AFP2235
120 k type with IC memory card interface		120 k steps	Not available	Available (built-in)	Available (separately sales)	Available (built-in)	Available (built-in)	FP2-C3P	AFP2255

FP2SH							
Optional memories	Produc	t name		Specifications	Product No.	Part No.	
for FP2SH	Expansion memory uni		Memory board in	Memory board in which the nonvolatile memory was mounted beforehand			
	IC memory card (Small PC card) for FP2SH CPU unit with IC memory card interface	SRAM	Perfect for data memory Can also be used for program backup. Battery backups.		AFP2208	AFP2208	
Backplanes	Produc	t name		Specifications	Product No.	Part No.	
Buokplanco			5-module type (fo	•	FP2-BP05	AFP25005	
				r master and expansion)	FP2-BP07	AFP25007	
		Conventional type		r master and expansion)	FP2-BP09	AFP25009	
	FP2 Backplane		12-module type (f	or master and expansion)	FP2-BP12	AFP25012	
			14-module type (f	or master and expansion)	FP2-BP14	AFP25014	
			8 slots (for maste	r)	FP2-BP11MH	AFP25011MH	
		H type	8 slots (for expan	FP2-BP10EH	AFP25010EH		
	ED2 Evenesies Cable		0.6 m 2.0 ft	FP2-EC	AFP2510		
	FP2 Expansion Cable		2 m 6.6 ft		FP2-EC2	AFP2512	
Power supply units	Produc	ot name		Specifications	Product No.	Part No.	
			Input: 100 to 120	V AC, Output: 2.5 A	FP2-PSA1	AFP2631	
			Input: 200 to 240	FP2-PSA2	AFP2632		
	FP2 Power Supply Unit		Input: 100 to 240	FP2-PSA3	AFP2633		
			Input: 24 V DC, C	FP2-PSD2	AFP2634		
∎I/O units	Dudutuu	.	Number of Connection		Destative	DedNe	
n/o units	Product name	Туре	point method	Specifications	Product No.	Part No.	
			16 points Terminal block		FP2-X16D2	AFP23023	
	FP2 Input Unit	DC input	32 points Connector	24 V DC	FP2-X32D2	AFP23064	
			64 points Connector	24 V DC	FP2-X64D2	AFP23067	
		Below output	6 points Terminal block	5 A, 2 points per one common	FP2-Y6R	AFP23101	
		Relay output	16 points Terminal block	2 A, 8 points per one common	FP2-Y16R	AFP23103	
			16 points Terminal block	0.5 A (12 to 24 V DC), 0.1 A (5 V DC)	FP2-Y16T	AFP23403	
		Transistor output NPN	32 points Connector	0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-Y32T	AFP23404	
	FP2 Output Unit		64 points Connector	0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-Y64T	AFP23407	
			16 points Terminal block		FP2-Y16P	AFP23503	
		Transistor output PNP	32 points Connector	0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-Y32P	AFP23504	
			64 points Connector	0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-Y64P	AFP23507	

			64 points	Connector	0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-Y64P	AFP23507
		DC input,	Input:		Input: 24 V DC Output: 0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-XY64D2T	AFP23467
	FP2 I/O Mixed Unit	Transistor output NPN	32 points Output: 32 points	Connector	Input: 24 V DC Output: 0.1 A (12 to 24 V DC), 50 mA (5 V DC) with ON pulse catch input	FP2-XY64D7T	AFP23477
* Pressure welding socket is supplied.	FP2 I/O Mixed Unit	DC input,	Input:		Input: 24 V DC Output: 0.1 A (12 to 24 V DC), 50 mA (5 V DC)	FP2-XY64D2P	AFP23567
A special tool (Part No.: AXY52000FP) is needed for connection. Please purchase separately if you are using a terminal or flat cable socket.		Transistor output PNP	32 points Output: 32 points	Connector	Input: 24 V DC Output: 0.1 A (12 to 24 V DC), 50 mA (5 V DC) with ON pulse catch input	FP2-XY64D7P	AFP23577

■Intelligent units	Produc	ct name	Specifications	Number of I/O points	Product No.	Part No.
for Analog I/O		FP2-AD8VI	Between channels: not insulated, Voltage: 1 to 5 V, ±10 V Current: 4 to 20 m A, ±20 mA	Analog input: 8 channels	FP2-AD8VI	AFP2400L
	FP2 Analog Input Unit	FP2-AD8X	Between channels: insulated, Voltages, Currents, Thermocouples, R.T.D. (Resistance Thermometer Devices)	Analog input: 8 channels	FP2-AD8X	AFP2401
		FP2-RTD	R.T.D. type: Pt100, JPt100, JPt1000 type	R.T.D. input: 8 channels	FP2-RTD	AFP2402
	FP2 Analog Output Unit		Voltage: -10 to +10 V, Current: 0 to 20 mA, Resolution: 1/4,096	Analog output: 4 channels	FP2-DA4	AFP2410

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FP2SH

Positioning un High-speed counter units

Positioning units,	Product name		Specifications		Product No.	Part No.
High-speed	Product name	Output type	Number of axes controlled	Speed command	Product No.	Part No.
counter units and Pulse I/O units	FP2		2 axes type		FP2-PN2AN	AFP24361
Pulse I/O units	Positioning Unit	Network	4 axes type	1 pps to 32 Mpps	FP2-PN4AN	AFP24362
	RTEX		8 axes type		FP2-PN8AN	AFP243630
		Dedicated	tool software for positioning unit RTEX, Japanese version		AFPS66110	AFPS6611
	Control Configurator PM	Dedicated	tool software for positioning unit RTEX, English version		AFPS66510	AFPS66510
		Transistor	2 axes, independent	1 pps to	FP2-PP21	AFP2432
	FP2 Positioning Unit Multi function type (Note 3)	Transistor	4 axes, independent	500 kpps	FP2-PP41	AFP2433
		Line	2 axes, independent	1 pps to	FP2-PP22	AFP2434
		driver	4 axes, independent	4 Mpps	FP2-PP42	AFP2435
lotes:		Transistar	2 axes (Linear, circular interpolation and synchronization)	1 pps to	FP2-PP2T	AFP24371
) Pressure welding socket is supplied. A special tool (Part No.	FP2	Transistor	4 axes (2-axis linear, 2-axis circular, 3-axis linear, 3-axis helical interpolation and 2-axis synchronization)	500 kpps	FP2-PP4T	AFP24372
AXY52000FP) is needed for	Positioning Unit Interpolation type	Line	2 axes (Linear, circular interpolation and synchronization)	1 pps to	FP2-PP2L	AFP243711
connection. Please purchase separately if you are using a		driver	4 axes (2-axis linear, 2-axis circular, 3-axis linear, 3-axis helical interpolation and 2-axis synchronization)	4 Mpps	FP2-PP4L	AFP24372
terminal or flat cable socket.) Please refer to "FPΣ Part Number	FP2		inputs, 4-channel high-speed counter, 8 comparison outputs,	NPN output	FP2-HSCT	AFP2441
List" for Motor driver I/F terminal II. 3) Previous FP2 positioning units AFP2430 (FP2-PP2) and AFP2431 (FP2-PP4) are not compatible with	High-speed Counter Unit	Input: 24 V	/ DC, Output: 5 to 24 V DC (0.1 A, 12 points / 0.8 A, 4 points)	PNP output	FP2-HSCP	AFP2451
	FP2		inputs, 4-channel high-speed counter, 8 comparison outputs, pulse output, 4-channel PWM output, Input: 24 V DC,	NPN output	FP2-PXYT	AFP2442
the multi function type FP2 positioning unit. Please contact us.	Pulse I/O Unit	Output: 5 t	o 24 V DC (0.1 A, 12 points / 0.8 A, 4 points)	PNP output	FP2-PXYP	AFP2452

■Open network, serial communication and link-related intelligent units

1	Product name	Specifications	Number of channel	Product No.	Part No.
FP2 VE2	FP2 10 Mbps, 8,192 points / 8,192 words, 99 units max. (VE mode), 254 units max. (FL-net), 2,500 m 8,202.1 ft		1 channel	FP2-VE2	AFP279601
FP2 ET-L/	AN2 Unit	Ethernet-compatible unit To be mounted on the CPU backplane	1 channel	FP2-ET2	AFP27901
0		ET-LAN unit setting software, Japanese version	-	AFPS32110	AFPS32110
Conti	rol Configurator ET	ET-LAN unit setting software, English version	-	AFPS32510	AFPS32510
FP2 Multi-	-wire Link Unit	For PLC links Compatible with MEWNET-W / MEWNET-W2	1 channel	FP2-MW	AFP2720
FP2 I Com	Multi- munication Unit	Up to two blocks to be attached can be selected among RS232C, RS422, and RS485 blocks. General-purpose serial communications, computer links, PLC links (MEWNET-W0)	2 channels	FP2-MCU	AFP2465
	RS232C block	(For the multi-communication unit) 230 kbps, 15 m 49.0 ft max.	1 channel	FP2-CB232	AFP2803
	RS422 block	(For the multi-communication unit) 230 kbps, 1,200 m 3,937.0 ft max.	1 channel	FP2-CB422	AFP2804
	RS485 block	(For the multi-communication unit) For PLC links (MEWNET-W0): 115 kbps, 16 stations, 1,200 m 3,937.0 ft	1 channel	FP2-CB485	AFP2805

■Intelligent units for remote I/O control

r Product name	Specifications	Controllable I/O points	Product No.	Part No.
FP2 Multi-wire Link Unit	Can connect as the remote I/O system MEWNET-F master station. Perfect for remote I/O systems using many points	Max. 2,048 points per one unit	FP2-SMW	AFP2720
FP2 Remote I/O Slave Unit	Can connect as the remote I/O system MEWNET-F slave station. Digital I/O unit and positioning unit can be attached.	Max. 2,048 points per one unit	FP2-RMS	AFP2745
FP I/O Terminal Board	12 V DC input / 0.2 A Transistor output	Input: 16 points, Output: 16 points	AFP87445	AFP87445
[MIL connector type]	24 V DC input / 0.2 A Transistor output	Input: 16 points, Output: 16 points	AFP87446	AFP87446
FP I/O Terminal Board	24 V DC input / 0.2 A Transistor output	Input: 16 points, Output: 16 points	AFP87444	AFP87444
[Terminal type]	24 V DC input / 2 A Relay output	Input: 16 points, Output: 8 points	AFP87432	AFP87432

*FP memory loader will be discontinued at the end of September, 2019.

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Intelligent units for remote I/O control	Product name	Specificati	ons	Controllable I/O points		Product No.	Part No.
	FP I/O Terminal Unit	Serves as a slave controller. Expandable up to 32 points. (Operating voltage: 24 V DC)	FP I/O Terminal Unit	Input unit 24 V DC input Output unit 0.5 A Transistor	Input 8 points	AFP87421	AFP87421
					Input 16 points	AFP87422	AFP87422
			(basic)		Output 8 points	AFP87423	AFP87423
					Output 16 points	AFP87424	AFP87424
			FP I/O Terminal Expansion _ Unit (basic)	Input unit 24 V DC input	Input 8 points	AFP87425	AFP87425
					Input 16 points	AFP87426	AFP87426
					Output 8 points	AFP87427	AFP87427
				0.5 A Transistor output	Output 16 points	AFP87428	AFP87428
	FP2 S-LINK Unit	Direct connection to S-LINK rea	duced-wiring system	128 p	oints	FP2-SL2	AFP2780

■Options

Options and	Product name	Specifications	Product No.	Part No.
maintenance parts	Spare battery	For FP2SH CPU unit, battery with cable	AFP8801	AFP8801
	Dummy unit	For blank slot	FP2-DM	AFP2300
	Battery for small PC card	For AFP2209	-	AFP2806
	Terminal block for FP2 I/O unit	FP2 I/O unit (terminal block type) supplied. (5 pieces)	-	AFP2800
	Discrete-wire connector set (supplied)	FP2 I/O unit and positioning unit supplied. (2 pieces)	-	AFP2801
	Flat cable connector set (40 leads)	For FP2 I/O unit and positioning unit. For simple connection using a flat cable. (2 pieces)	_	AFP2802
	Multi-wire connector pressure contact tool	Necessary when wiring transistor output type connectors.	-	AXY52000FP

FP Memory Loader

Product name	Specifications	Part No.
	Data non-hold type	AFP8670
FP Memory Loader	Data hold type	AFP8671

Control FPWIN Pro7 (IEC61131-3 compliant Windows version software)

	Product name		Specifications		
	Windows [®] ve Control FPW	rsion tool software /IN Pro7	Supports all FP series PLCs (FP7 series: Supports only CPU without encryption function) Supports English, Japanese, Chinese and Korean	CD-ROM for Windows®	AFPSPR7A
* The production of FP1, FP-M, FP3 and FP10SH has been discontinued.		Security enhanced type	Supports all FP series PLCs (FP7 series: Supports both CPU with / without encryption function) Supports English, Japanese, Chinese and Korean	CD-ROM for Windows®	AFPSPR7AS

Control FPWIN GR

	Product name		Туре	Product No.	Part No.
	Windows [®] version tool software Control FPWIN GR	Japanese version tool kit with cable	CD-ROM for Windows®, with cable (AFC8503) for connection of FP to DOS/V PC	FPWINGRF-JP2	AFPS10122
Relay output type - Ver. 2.5 or later; Transistor output type -		English version, Full type	CD-ROM for Windows®	FPWINGRF-EN2	AFPS10520
Ver. 2.7 or later		Korean	CD-ROM for Windows®	FPWINGRF-KR2	AFPS10920

PCWAY (Operation data managing software) Product name Part No. PCWAY Japanese: USB port AFW1003 PCWAY English: USB port AFW10031

■Key unit

Economical type is available for secondary key.

PCWAY Key unit USB port

Product name

Part No. AFW1033