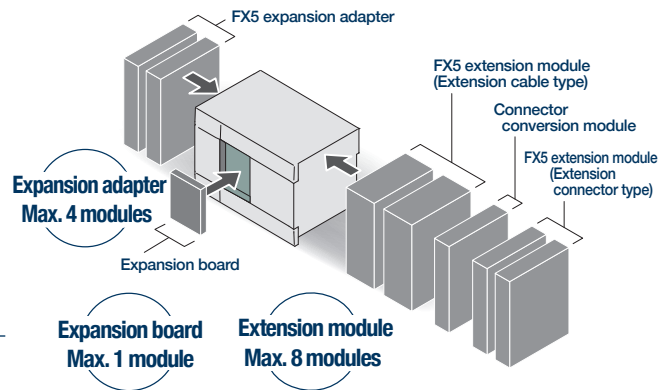


System Configuration



FX5UJ with excellent cost performance that can be used in any scene

FX5UJ has an SD memory card slot, built-in USB (Mini-B) connector, and built-in Ethernet port as a standard. In addition, built-in functions such as positioning and high-speed counters are included to condense various functions and ease of use.



FX5 expansion adapter

Max. 2 modules

Communication

FX5-232ADP For RS-232C communication
FX5-485ADP For RS-485 communication

Max. 2 modules

Analog

FX5-4AD-ADP For analog input
FX5-4DA-ADP For analog output
FX5-4AD-PT-ADP For resistance temperature detector input
FX5-4AD-TC-ADP For thermocouple input

FX5 expansion board

Max. 1 module

Communication

FX5-232-BD For RS-232C communication
FX5-485-BD For RS-485 communication
FX5-422-BD-GOT For RS-422 communication (For GOT connection)

Peripheral device

HMI

GOT2000, GOT1000

- AC AC power supply
- D2 DC input (sink/source)
- T1 Transistor output (sink)
- T2 Transistor output (source)
- R Relay output

- Connector connection
- Cable connection

★: New product

Models whose production will be terminated at the end of March 2021

FX5UJ CPU module

★ FX5UJ-24MR/ES AC D2 R
★ FX5UJ-24MT/ES AC D2 T1
★ FX5UJ-24MT/ESS AC D2 T2

★ FX5UJ-40MR/ES AC D2 R
★ FX5UJ-40MT/ES AC D2 T1
★ FX5UJ-40MT/ESS AC D2 T2

★ FX5UJ-60MR/ES AC D2 R
★ FX5UJ-60MT/ES AC D2 T1
★ FX5UJ-60MT/ESS AC D2 T2

Option

Terminal module	I/O cable	Connector for external device
FX-16E-TB FX-16E-TB/UL FX-32E-TB FX-32E-TB/UL FX-16EYR-TB FX-16EYR-ES-TB/UL FX-16EYS-TB FX-16EYS-ES-TB/UL FX-16EYT-TB FX-16EYT-ES-TB/UL FX-16EYT-ESS-TB/UL	● General-purpose input/output cable FX-16E-500CAB-S (5 m, 20-pin single wire) ● For terminal module FX-16E-□CAB (20-pin on both ends) □: 150 (1.5 m) / 300 (3 m) / 500 (5 m) ● For terminal module FX-16E-□CAB-R (20-pin on both ends) □: 150 (1.5 m) / 300 (3 m) / 500 (5 m)	● Soldering type (straight out)*3 A6CON1 (40-pin) ● Crimping type (straight out)*3 A6CON2 (40-pin) ● Soldering type (straight/diagonal out)*3 A6CON4 (40-pin) Connector for self-making I/O cable ● For flat cable FX2C-I/O-CON (0.1 mm², 20-pin) ● Connector for single wire FX2C-I/O-CON-S (0.3 mm², 20-pin) FX2C-I/O-CON-SA (0.5 mm², 20-pin)
Extended extension cable ● Extended extension cable FX5-30EC*1 FX5-65EC*1 Connector conversion adapter FX5-CONV-BC	Power supply cable ● Power supply cable FX2NC-100BPCB (1 m) ● Power crossover cable FX2NC-10BPCB1 (0.1 m)	SD memory card NZ1MEM-2GBSD (2 GB) NZ1MEM-4GBSD (4 GB) NZ1MEM-8GBSD (8 GB) NZ1MEM-16GBSD (16 GB) Communication cable ● Serial communication FX-232CAB-1 ● USB communication MR-J3USBCBL3M (3 m) GT09-C30USB-5P (3 m) Engineering tool GX Works3

Outline specifications

Item		Outline specifications
Power supply	Rated voltage	100 to 240 V AC, 50/60 Hz
	Power consumption*1	30 W (24M), 32 W (40M), 35 W (60M)
	Rush current	24M: max. 25 A for 5 ms or less/100 V AC, max. 50 A for 5 ms or less/200 V AC 40M/60M: max. 30 A for 5 ms or less/100 V AC, max. 50 A for 5 ms or less/200 V AC
	24 V DC service power supply capacity*2	400 mA (24M, 40M, 60M) When an external power supply is used for the input circuit of the CPU module: 460 mA (24M), 500 mA (40M), 550 mA (60M)
Input/output	Input specifications	5.3 mA/24 V DC (X10 and later: 4.0 mA/24 V DC)
	Output specifications	Relay output type: 2 A/1 point, 6 A or less/3 points common, 8 A or less/4 points common, 30 V DC or less, 240 V AC or less (250 V AC or less in case of noncompliance with CE, UL/cUL Standards) Transistor output type: 0.5 A/1 point, 0.6 A or less/3 points common, 0.8 A or less/4 points common, 5-30 V DC
	Input/output extension	Extension devices for FX5 can be connected: when adding an extension connector type, the connector conversion module (FX5-CNV-IF) is required.
Built-in communication port		Ethernet (100BASE-TX/10BASE-T), USB (Mini-B) 1 ch each
Built-in memory card slot		1 slot for SD memory card

*1: The values show the state where the service power of 24 V DC is consumed to the maximum level in case that its configuration has the max. number of connections provided to CPU module.
(Including the current in the input circuit)

*2: When I/O modules are connected, they consume current from the 24 V DC service power supply.
For details on the 24 V DC service power supply, refer to MELSEC iQ-F FX5UJ User's Manual (Hardware).

Please choose the I/O type of CPU module or I/O module suited for your equipment.
Refer to the page below for the details of I/O type of each product.

FX5 extension module (Extension cable type)

I/O module	Intelligent function module	Extension power supply module
		
Powered I/O module FX5-32ER/ES FX5-32ET/ESS FX5-32ET/ESS	Analog FX5-4AD FX5-4DA FX5-8AD Positioning FX5-20PG-P FX5-20PG-D Communication/network FX5-ENET*5 CC-Link IE Field Basic FX5-ENET/IP*5 FX5-CCLIEF CC-Link IE Field FX5-CCL-MS*8 CC-Link V2 FX5-ASL-M*5 AnyWireASLINK FX5-DP-M*5	Extension power supply module FX5-1PSU-5V
Input module FX5-8EX/ES FX5-16EX/ES Output module FX5-8EYR/ES FX5-8EYT/ES FX5-8EYT/ESS FX5-16EYR/ES FX5-16EYT/ES FX5-16EYT/ESS	Temperature control FX5-4LC Simple motion FX5-40SSC-S*6 FX5-80SSC-S*7 SSCNET III/H	

FX5 extension module (Extension cable type)

Connector conversion module



Connector conversion module
FX5-CNV-IF

FX5 extension module (Extension connector type)

I/O module





I/O module	Input module	Output module
FX5-C32ET/D*4 FX5-C32ET/DSS FX5-C32ET/DS-TS*2 FX5-C32ET/DSS-TS*2	FX5-C16EX/D*4 FX5-C16EX/DS FX5-C32EX/D*4 FX5-C32EX/DS FX5-C32EX/DS-TS*2	FX5-C16EYT/D FX5-C16EYT/DSS FX5-C16EYR/D-TS*2 FX5-C32EYT/D FX5-C32EYT/DSS FX5-C32EYT/D-TS*2 FX5-C32EYT/DSS-TS*2

*1: Use this to connect a module (extension cable type) located distantly or on a second stage.
The connector conversion adapter (FX5-CNV-BC) is required when the connection destination is I/O module (extension cable type) or intelligent function module.

*2: Spring clamp terminal block type.

*3: For FX5-20PG-P and FX5-20PG-D.

*4: FX2NC-100BPCB is required separately when adding to FX5UJ CPU module.

*5: Only one module may be connected per system.

*6: Only one module may be connected per system. Use together with the FX5-80SSC-S is not possible.

*7: Only one module may be connected per system. Use together with the FX5-40SSC-S is not possible.

*8: One module can be connected to the system for each station type.

• Master station: 1 • Intelligent device station: 1

*9: When connecting the expansion board to the CPU module, only one communication adapter can be connected.