

หมวดหมู่ : PLC**หัวข้อ : FX3G/3U/3UC**

โดย : admin

อ่าน : 282

พฤหัสบดี ที่ 31 เดือน กรกฎาคม พ.ศ.2557

**FX3G****Customized Control**

Controllable I/O: 14 - 256 points (with CC-Link remote I/O)

Main Unit I/O sizes: 14/24/40/60 points

The FX3G is an introductory compact PLC and is the newest addition to the FX3 series, designed for simple yet performance-critical applications. Incorporating innovative FX3 series technology the customer is presented with a suite of benefits.

FX3G-14M_

FX3G-24M_

FX3G-40M_

FX3G-60M_



Power supply

100-240 V AC (+10 % / -15 %), 50/60 Hz

No. of inputs

8

14

24

36

No. of outputs

6

10

16

24

Digital outputs

Relay or transistor

Dimensions in mm (WxHxD)

90 x 90 x 86

130 x 90 x 86

175 x 90 x 86



FX3U



Special Features

- Exchangeable interface modules for direct mounting into a base unit (USB, RS232, RS422, RS485)
- Standard programming unit interface
- Slot for memory cassettes for up to 64k steps PLC program
- Integrated real-time clock
- Easier programming by new commands and table configuration.
- High speed processing (0.065µs perbit instruction)

FX3U-16M_ FX3U-32M_ FX3U-48M_ FX3U-64M_ FX3U-80M_ FX3U-128M_



Power supply	24 V DC / 100-240 V AC					100-240 V AC
No. of inputs	8	16	24	32	40	64
No. of outputs	8	16	24	32	40	64
Digital outputs	Relay / Transistor (source type)					
Dimensions in mm (WxHxD)	130x90x86	150x90x86	182x90x86	220x90x86	285x90x86	350x90x86

FX3UC

The FX3UC is the new ultra-compact high speed, fully expandable PLC. Based on 24V DC power and using connector-type transistor I/O, the FX3UC is designed for space conscious and modular applications.



Created inline with the FX3U series, the FX3UC incorporates such attributes as built-in high speed I/O and the dual system-bus architecture, optimizing communication, networking, analog, and positioning control.

FX3UC-16MT/_

FX3UC-32MT/_

FX3UC-64MT/_

FX3UC-96MT/_



Power supply	24 V DC (+20%, -15%)			
No. of inputs	8	16	32	48
No. of outputs	8	16	32	48
Digital outputs	Transistor			
Dimensions in mm (WxHxD)	34x90x74	34x90x74	60x90x74	86x90x74

Powered Extension Units (DI/DO)

FX2N-32E

FX2N-48ER-DS

FX2N-48ET

FX2N-48ER

FX0N-40ER



Applicable PLCs	FX3U / FX3G / FX1N	FX3U / FX1N	FX3U / FX1N	FX3U / FX3G / FX1N	FX1N
Integrated Inputs	16 (24VDC)	24 (120VDC)	24 (24VDC)	24 (24VDC)	24 (24VDC)
Integrated Outputs	16	24	24 (24VDC)	24	16 (24VDC)

Output Type	Relay	Relay	Sink Trans.,Source Trans.	Relay,Sink Trans.,Source Trans.	Relay,Source Transistor
Dimensions (W x H x D) mm	150 x 90 x 87		182 x 90 x 87		

Unpowered Extension Units (DI/DO)

FX2N-8ER FX2N-8EX FX2N-8EY FX2N-16EX FX2N-16EY



Applicable PLCs	FX3U / FX3UC / FX3G / FX1N				
Integrated Inputs	4 (24VDC)	8 (24VDC)	8	16 (24VDC)	16
Integrated Outputs	4				
Output Type	Relay		Sink Trans.,Source Trans.,Relay		Relay
Dimensions (W x H x D) mm	43 x 90 x 87		40 x 90 x 87		

FX2NC Unpowered Extension Units (DI/DO)

FX2NC-16EX FX2NC-16EYR-T-DS FX2NC-16EYT-D/UL FX2NC-32EX-DS FX2NC-32EYT-D/UL



Applicable PLCs			FX3UC		
Integrated Inputs	16			32 (24VDC)	
Integrated Outputs		16	16		32
Output Type		Relay	Sink Trans.,Source Trans.		Sink Trans.
Dimensions					

(W x H x D) mm

14.6 x 90 x 87 24.2 x 90 x 89 14.6 x 90 x 87 26.2 x 90 x 87 26.2 x 90 x 87

Analog Input

FX3G-2AD FX3U-4AD FX3UC-4AD FX2N-2AD FX2N-4AD FX2NC-4AD FX2N-8AD (*2)



Applicable PLCs	FX3G	FX3U / FX3UC / FX3G	FX3UC	FX3U / FX3UC / FX3G / FX1N	FX3UC	FX3U / FX3UC / FX1N
Integrated Inputs	2	4	4	2	4	8
Dimensions (W x H x D) mm	35 x 51 x 29.2	17.6 x 90 x 89.5	20.2 x 90 x 89	43 x 90 x 87	55 x 90 x 87	20.2 x 90 x 89 75 x 90 x 75

Analog Output

FX3G-1DA-DB FX3U-4DA FX2N-2DA FX2N-4DA FX2NC-4DA



Applicable PLCs	FX3G	FX3U / FX3UC / FX3G	FX3U / FX3UC / FX3G / FX1N	FX3UC
Integrated Inputs	1	4	2	4
Dimensions (W x H x D) mm	35 x 51 x 29.2	17.6 x 90 x 89.5	43 x 90 x 87	55 x 90 x 87 24.2 x 90 x 89

Combination Analog Input / Output Modules

FX0N-3A*

FX2N-5A*

FX3U-3A-ADP



Applicable PLCs	FX3U / FX3UC / FX1N	FX3U / FX3UC / FX3G / FX1N	FX3U / FX3UC / FX3G
Integrated Inputs	2	4	2
Integrated Outputs	1	1	1
Dimensions (W x H x D) (mm)	43 x 90 x 87	55 x 90 x 87	17.6 x 90 x 89.5

Temperature Input Options



Applicable PLCs	FX3U / FX3UC / FX3G	FX3U / FX3UC	FX3U / FX3UC / FX3G / FX1N	FX3G / FX3U / FX3UC
Integrated Inputs	4 (Pt100 sensors)	4 (Pt1000 or Ni1000)	4 (Pt100 sensors)	2,4 points (Thermocouple and Pt100 sensor)
Dimensions (W x H x D) mm	17.6 x 90 x 89.5		55 x 90 x 87	

FX High-Speed I/O and Positioning Expansion



Applicable PLCs	FX3U / FX3UC	FX3UC	FX3U / FX3UC	FX3U	FX3U
Counter Input	1 phase (1 input or 2 input); 2 phase (1 edge, 2 edge or 4 edge count)			4	-
Counter Input				-	2
Output Type	2 x transistor (5 to 24VDC / 0.5A)		4 x transistor (5 to 24VDC / 0.5A)		less than 25 mA
Dimensions (W x H x D) mm	55 x 90 x 87	20.2 x 90 x 89	55 x 90 x 87	17.6 x 90 x 89.5	






Applicable PLCs	FX3U / FX3UC			
Function	Servo / stepper pulse control	Advanced servo / stepper control		
Related I/O Points	8	8	8	8
Dimensions (W x H x D) mm	43 x 90 x 87	43 x 90 x 87	55 x 90 x 87	

Networking Modules



Applicable PLCs	FX3U/FX3UC / FX3G	FX3U / FX3UC	FX3U/FX3UC/FX3G
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Communication Speed	100 Mbps / 10 Mbps		Max. 12 Mbps		
Communication Cable	Ethernet with RJ45 connector		Profibus cable with Profibus-DP connector		
Dimensions W x H x D (mm)	55 x 90 x 87		43 x 90 x 87		
	DeviceNet FX2N-64DNET	AS-i Master Module FX2N-32ASI-M	FX2N-16CCL-M	CC-Link FX2N-32CCL	FX3U-64CCL
					
Applicable PLCs	FX3U / FX3UC	FX3U/FX3UC/FX1N	FX3U/FX3UC/FX3G/FX1N	FX3U/FX3UC/FX1N	FX3U/FX3UC/FX3G
I/O Points	8	8	8	8	8
Dimensions W x H x D (mm)	43 x 90 x 87	55 x 90 x 87	85 x 90 x 87	43 x 90 x 87	55 x 90 x 87

FX Interfaces and Power Supplies

Interface Boards and Modules

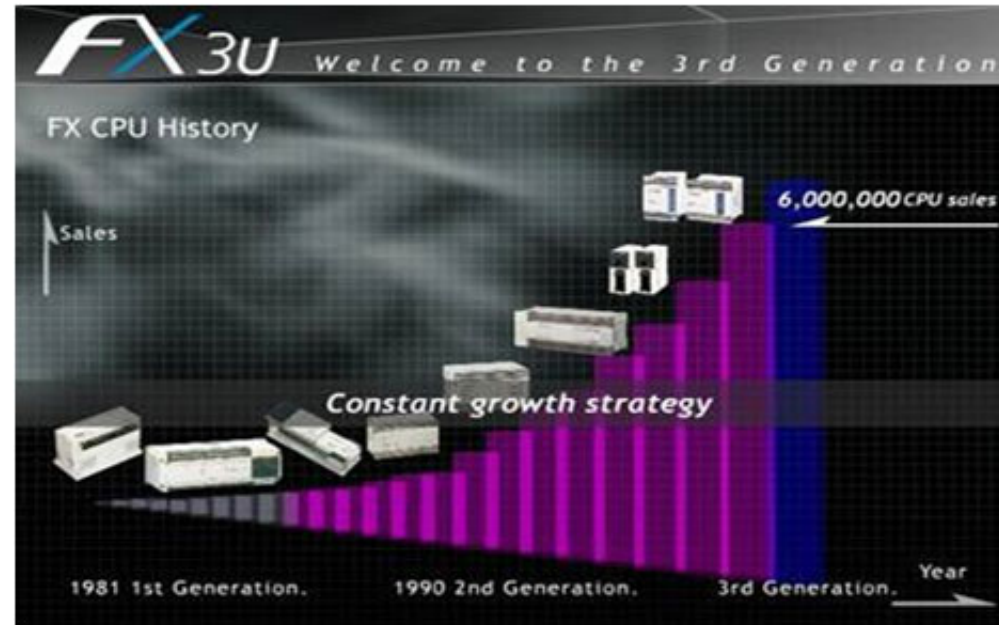
	FX3U-CF-ADP	FX3G-CNV-ADP	FX3U-CNV-BD	FX2NC-CNV-IF
				
Applicable PLCs	FX3U / FX3UC	FX3G	FX3U	FX3UC
Description	CF Card special adapter	Analog and communication special adaptor		Interface adapter to connect with standard FX0N/ FX2N / FX3U
Dimensions W x H x D (mm)	45 x 90 x 74	14.6 x 90 x 74	19.6 x 46.1 x 53.5	90 x 14.6 x 74

Power Supply Modules

FX2N-20PSU



Applicable PLCs	FX1S/FX1N/FX3U/ FX3UC
Input Voltage	100 - 240VAC
Output Power	2A
Dimensions W x H x D (mm)	60 x 98 x 75



Ordering

FX3G Base Unit:

FX3G-14MR/ES-A

FX3G-24MR/ES-A

Base unit, Built-in 8 input/6 output (Relay) , AC power supply

Base unit, Built-in 14 input/10 output (Relay) , AC power supply

FX3G-40MR/ES-A	Base unit, Built-in 24 input/16 output (Relay) , AC power supply
FX3G-40MR/ES-A	Base unit, Built-in 14 input/10 output (Relay) , AC power supply
FX3G-60MR/ES-A	Base unit, Built-in 36 input/24 output (Relay) , AC power supply
FX3G-14MT/ES-A	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-24MT/ES-A	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-40MT/ES-A	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-60MT/ES-A	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-14MT/ESS	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-24MT/ESS	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-40MT/ESS	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply
FX3G-60MT/ESS	Base unit, Built-in 8 input/6 output (Transistor) , AC power supply

FX3G Function Expansionboard:

FX3G-232-BD	RS232 serial communication ExpansionBoard, 1 channel
FX3G-422-BD	RS422 serial communication ExpansionBoard, 1 channel
FX3G-485-BD	RS485 serial communication ExpansionBoard, 1 channel
FX3G-CNV-ADP	FX3U special adapter switch ExpansionBoard
FX3G-2AD-BD	analog quantity input ExpansionBoard, 2 channel
FX3G-1DA-BD	analog quantity input Expansion

FX3U CPU

FX3U-128MR-ES-A	BASE UNIT WITH 64 INPUTS/64 RELAY OUTPUTS
FX3U-80MR-ES-A	BASE UNIT WITH 40 INPUTS/40 RELAY OUTPUTS
FX3U-64MR-ES-A	BASE UNIT WITH 32 INPUTS/32 RELAY OUTPUTS
FX3U-48MR-ES-A	BASE UNIT WITH 24 INPUTS/24 RELAY OUTPUTS
FX3U-32MR-ES-A	BASE UNIT WITH 16 INPUTS/16 RELAY OUTPUTS
FX3U-16MR-ES-A	BASE UNIT WITH 8 INPUTS/8 RELAY OUTPUTS
FX3U-80MR-DS	BASE UNIT WITH 40 INPUTS/40 RELAY OUTPUTS (DC)
FX3U-64MR-DS	BASE UNIT WITH 32 INPUTS/32 RELAY OUTPUTS (DC)
FX3U-48MR-DS	BASE UNIT WITH 24 INPUTS/24 RELAY OUTPUTS (DC)
FX3U-32MR-DS	BASE UNIT WITH 16 INPUTS/16 RELAY OUTPUTS (DC)
FX3U-16MR-DS	BASE UNIT WITH 16 INPUTS/16 RELAY OUTPUTS (DC)
FX3U-128MT-ES-A	BASE UNIT WITH 64 INPUTS/64 TRANSISTOR OUTPUTS
FX3U-80MT-ES-A	BASE UNIT WITH 40 INPUTS/40 TRANSISTOR OUTPUTS

FX3U-64MT-ES-A	BASE UNIT WITH 32 INPUTS/32 TRANSISTOR OUTPUTS
FX3U-48MT-ES-A	BASE UNIT WITH 24 INPUTS/24 TRANSISTOR OUTPUTS
FX3U-32MT-ES-A	BASE UNIT WITH 16 INPUTS/16 TRANSISTOR OUTPUTS
FX3U-16MT-ES-A	BASE UNIT WITH 8 INPUTS/8 TRANSISTOR OUTPUTS
FX3U-80MT-DS	BASE UNIT WITH 40 INPUTS/40 RELAY OUTPUTS (DC)
FX3U-64MT-DS	BASE UNIT WITH 32 INPUTS/32 RELAY OUTPUTS (DC)
FX3U-48MT-DS	BASE UNIT WITH 24 INPUTS/24 RELAY OUTPUTS (DC)
FX3U-32MT-DS	BASE UNIT WITH 16 INPUTS/16 RELAY OUTPUTS (DC)
FX3U-16MT-DS	BASE UNIT WITH 16 INPUTS/16 RELAY OUTPUTS (DC)
FX3UC CPU	
FX3UC-32MT-LT	BASE UNIT WITH 16 INPUTS/16 TRANSISTOR OUTPUTS
FX3U communication card	
FX3U-232-BD	RS-232C SERIAL PORT (1 CH)
FX3U-422-BD	RS-422 SERIAL PORT (1 CH)
FX3U-485-BD	RS-485 SERIAL PORT (1 CH)
FX3U-CNV-BD	FX3U MODULE TRANSFORM UNIT
FX3U-USB-BD	USB COMMUNICATION PORT (FOR ALL FX SERIES PLC)
FX3U module	
FX3U-2HSY-ADP	2 CHANNELS PULSE TRAIN OUTPUT
FX3U-4AD-ADP	4 CHANNELS A/D
FX3U-4AD-PT-ADP	4 CHANNELS TEMPERATURE INPUTS, PT TYPE
FX3U-4AD-TC-ADP	4 CHANNELS TEMPERATURE INPUTS, THERMAL COUPLE TYPE
FX3U-4DA-ADP	4 CHANNELS D/A
FX3U-4HSX-ADP	4 CHANNELS HIGH SPEED COUNTER
FX3U-232ADP	RS232 COMMUNICATION MODULE
FX3U-485ADP	RS485 COMMUNICATION MODULE
FX3U-1PSU-5V	DC 5V 1A POWER SUPPLY UNIT FOR FX3U SERIES
FX3U-4AD	4 CHANNELS A/D
FX3U-4DA	4 CHANNELS D/A
FX3U-7DM	DISPLAY PANEL
FX3U-7DM-HLD	DISPLAY PANEL HOLDER
FX3U-20SSC-H	2 CHL SSC-NET MODULE

FX3U-32BL	BACKUP BATTERY FOR FX3UC CPU
FX3UC-1PS-5V	DC 5V 1A POWER SUPPLY UNIT FOR FX3UC SERIES
FX3UC-4AD	4 CHANNELS A/D (16BIT)
Memorry	
FX3U-FLROM-16	16K FLASH ROM MEMORY CASSETTE
FX3U-FLROM-64	64K FLASH ROM MEMORY CASSETTE
FX3U-FLROM-64L	64K PLC PROGRAM TRANSFER UNIT
FX3UC series basic units	
FX3UC-16MT / D	built-in 8 entry (leak-type) / 8 (transistor leakage type), DC power supply
FX3UC-32MT / D	built-in 16 into the (drain type) / 16 (transistor leakage type), DC power supply
FX3UC-64MT / D	built-in 32 into the (drain type) / 32 (transistor leakage type), DC power supply
FX3UC-96MT / D	built-in 48 into the (drain type) / 48 (transistor leakage type), DC power supply
FX3UC-16MT/DSS	built-in 8 entry (Source / drain type) / 8 (transistor source-type), DC power supply
FX3UC-32MT/DSS	built-in 16 entry (Source / drain type) / 16 (transistor source type), DC power supply
FX3UC-64MT/DSS	built-in 32 entry (Source / drain type) / 32 (transistor source type), DC power supply
FX3UC-96MT/DSS	built-in 48 entry (Source / drain type) / 48 (transistor source type), DC power supply
FX3UC-32MT-LT	built-in 16 in / 16, DC power, built-in functions CC-Link/LT master
FX3UC-32MT-LT-2	built-in 16 in / 16, DC power, built-in functions CC-Link/LT master
FX3U (C) special unit]	
FX3U power series expansion	
FX3U-1PSU-5V	
FX3U-4AD	4-channel AD
FX3U-4DA	4 Channel DA
FX3U-20SSC-H SSC-	NET module
FX3UC power series expansion	
FX3UC-1PS-5V	

FX3UC-4AD	4-channel AD
FX3U-64CCL	CCLINK unit
FX3UC special adapter	
FX3U-4AD-ADP	4-channel analog input special adapter
FX3U-4DA-ADP	4-channel analog output special adapter
FX3U-3A-ADP	3-channel analog special adapter
FX3U-4AD-TC-ADP	4-channel temperature of a special adapter
FX3U-4AD-PT-ADP	4-channel temperature of a special adapter
FX3U-4AD-PTW-ADP	4-channel temperature of a special adapter
FX3U-4AD-PNK-ADP	4-channel temperature of a special adapter
FX3U-4HSX-ADP	4-channel high-speed input special adapter
FX3U-2HSY-ADP	2-channel high-speed output special adapter
FX3U-232ADP	RS232 special adapter
FX3U-232ADP-MB	RS232 special adapters
FX3U-485ADP	RS485 special adapter
FX3U-485ADP-MB	RS485 special adapter

