

## Product Name : Compact PLC-MELSEC FX3U

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The new FX3U series is the third generation of Mitsubishi Electric's successful compact PLC family. Developed for the international market, the new controllers feature a special second "adapter bus" system, which complements the existing system bus used for expansion, special function and network modules. Up to ten additional modules can be connected to this new adapter bus.

The FX3U controllers also impress with their speed (0.065 $\mu$ s per logical instruction), a significantly larger instruction set with a total of 209 instructions and improved functions and modules, particularly for positioning tasks. Other improvements include enhanced communications capabilities with Ethernet, USB and RS-422 mini DIN connectors.

The enhanced networking support has also increased the I/O capacity of the new flagship model, which can now be expanded to a maximum of 384 I/Os, including networked connections.

Advantages of the FX3U at a glance:

- Safe investment - Fully compatible with the existing MELSEC FX series; IEC 61131-3 standard programming; plenty of reserves for later updates
- Tailored configurations - Choose from a comprehensive range of products for positioning, analog signal processing and communications
- Powerful positioning control - Internal high-speed counters and pulse outputs (100kHz) in all base units, new counter and pulse output adapters (200 kHz), bus-capable servo system for controlling up to 16 axes with data transfer speeds of up to 50Mbps
- Fast installation and configuration - 209 ready-to-use instructions
- Integrated automation - Modules, functions and instructions are all precisely geared to Mitsubishi automation technology
- Outstanding value for money - The performance of a medium-scale PLC system for the price of a micro PLC



## Product Name : Mitsubishi PLCFX3UC

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Just like the FX3U, the FX3UC offers outstanding connectivity for all standard networks.

I / O terminal blocks with screw or spring terminals can be connected with standard ribbon cable connectors.

Are you looking for a control solution with power to spare? Then the FX3UC may be what you are looking for with:

- an execution cycle period of just 0.065 ms per logical instruction
- up to 40,768 data registers
- up to 7,680 internal relay coils / flexs
- 210 commands
- memory for up to 64 k of PLC program steps

This makes the FX3UC one of the fastest and most powerful PLC systems in its class. In fact, it puts quite a few larger modular controller systems in the shade.



## Product Name : Mitsubishi PLC FX2N

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The FX2N has set the standards in the industrial automation sector and is one of the biggest-selling controllers worldwide. It has many features normally found in larger controllers like floating-point math, the ability to process 32-bit data words and a wide range of fully-configurable communications options.

With a processing speed of just 0.08 $\mu$ s per logical instruction the FX2N is one of the fastest compact PLC systems available. It has extensive communications capabilities and a wide range of expansion and special function modules are available for configuration of precisely customised systems .



### FX2N series highlights:

- 16 to 256 inputs and outputs
- High processing speed (0.08 $\mu$ s per log. instruction)
- Ample program storage capacity (8,000 steps, expandable to 16,000 steps) and device ranges
- Can be expanded with up to eight special-function modules for analog signal processing, temperature data acquisition, communications and positioning applications with up to 16 axes
- Connection options for Profibus-DP, CC-Link, DeviceNet and AS-Interface
- User-friendly programming with MS Windows-based programming software package or hand-held programming unit
- Integrated positioning controller

## Product Name : Mitsubishi-PLC-FX1N

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The FX1N combines the benefits of an inexpensive compact controller with the flexible expansion capabilities of a modular control system. It can be expanded for up to 128 inputs and outputs and with a comprehensive range of special function modules. The FX1N also features a powerful integrated positioning controller.

The FX1N's communications and data link capabilities make it ideal for applications where the size of the controller hardware, communications features, special functions and processing speed are all critical.

FX1N series highlights:

- 14 to 128 inputs and outputs
- High processing speed ( 0.55 $\mu$ s per log. instruction )
- Ample program storage capacity ( 8,000 steps ) and device ranges
- Integrated positioning controller
- Comprehensive range of special function and expansion modules for individual requirements
- Integrated PID controller
- Support for connection to open networks
- Integrated real-time clock
- User-friendly programming with MS Windows-based programming software package or hand-held programming unit
- Analog signal processing with optional expansion adapters



**Product Name : MITSUBISHI PLC FX2N-ES/UL Series**

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Description:

FX2N - for high speed processing and good extendibility.

The FX2N Series PLC is the most advance model of the FX Series. With unmatched speed, advanced function, analog options and positioning control, the FX2N is the choice for many applications from 16 to 256 I / O.

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The ( AC POWER, 24V DC INPUT TYPE ) model that available:

\*FX2N-128MR-ES/UL \$668.25

\*FX2N-80MR-ES/UL \$464.21

\*FX2N-64MR-ES/UL \$414.69

\*FX2N-48MR-ES/UL \$362.52

\*FX2N-32MR-ES/UL \$342.05



**Product Name : MITSUBISHI PLC FX1N-60MR-ES/UL Series**

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Description:

FX1N - for general purpose applications at a reasonable cost

The FX1N Series PLC is a popular choice for control of up to 128 points. Because the FX1N Series PLC has extendibility for I / O, analog control, and communication/link functions, it sequence control solutions.

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The ( AC POWER < 24V DC INPUT TYPE ) model that available are:

\*FX1N-60MR-ES/UL \$316.96

\*FX1N-40MR-ES/UL \$272.94

\*FX1N-24MR-ES/UL \$225.53



## Product Name : Mitsubishi FX1S-30MR-ES/UL

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The MELSEC FX1S is the cost-effective entry to the MELSEC family.

It was developed following user-oriented criteria and provides.

Very compact package, amazing functionality, a significant decrease of costs.

Existing FX0S/FX0N applications are terminal- and program-compatible with the new FX1S/FX1N this way making the adjustment easier.

To meet the increased demands the FX1S compared to its predecessor FX0S is extended by additional functions such as incorporated positioning control, high-speed operations, increased counting frequencies on the counting inputs, ample memory capacity and devices, additional setup and display functions, enhanced communication functions.

The (AC POWER, 24V DC INPUT TYPE) model that available:

\*FX1S-30MR-ES/UL \$194.37

\*FX1S-20MR-ES/UL \$159.16

\*FX1S-14MR-ES/UL \$131.56



## Product Name : Mitsubishi PLC FX3U

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u● third-generation micro-PLC

- built - up 64 K of RAM memory capacity
- built the industry's highest level of high - speed processing 0.065μS / basic instructions
- control the scale: 16 to 384 (including CC-LINK I/O) points
- independent 3-axis 100 kHz targeting ( transistor - output )
- basic unit of the left can connect the powerful user-friendly adapter



## Product Name : Mitsubishi PLC FX3G

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### FX3G series PLC

- third-generation micro-PLC
- bring their own basic unit of two high-speed communication interfaces ( RS422&USB )
- built-in memory capacity of up to 32K
- standard mode, the basic instruction processing speed of up to 0.21 $\mu$ s
- control the size: 14 to 256 points ( including CC-LINK network I/O )
- positioning features easy to set ( up to three-axis )
- on the left side of the basic unit to connect up to 4 FX3U special adapter
- can achieve floating-point operations
- levels can be set up passwords, 16 characters per class, enhanced password protection

