

Automating the World

FACTORY AUTOMATION



MELSEC MX Controller



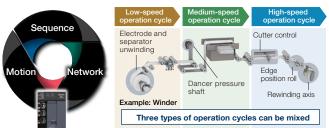
FOUT MX controller features that empower users

Enhanced productivity



Optimizing control performance of entire system

The MX Controller comes standard with a high-performance multi-core MPU that integrates sequence, motion, and network control, enabling motion control of up to 256 axes*1.



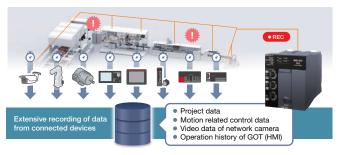
Supports mixing three types of operation cycles, enabling high-speed control even for multiple axes.

Reduced on-site downtime





Recording function + Al-powered data flow analysis



The MX Controller records system operations during abnormalities without stopping production lines, uses AI to track device relationships, and enables efficient debugging issues through data flow analysis.

Streamlined program development





Enhanced engineering efficiency through tool integration

GX Works3 enables centralized management of sequence and motion programming.





Compliant with IEC 61131-3 and PLCopen® Motion Control FB, enabling collaborative development with overseas sites and reducing training costs.

Enhanced security



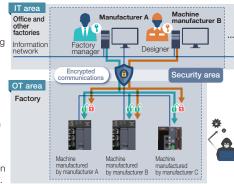


Compliant with IEC 62443-4-2

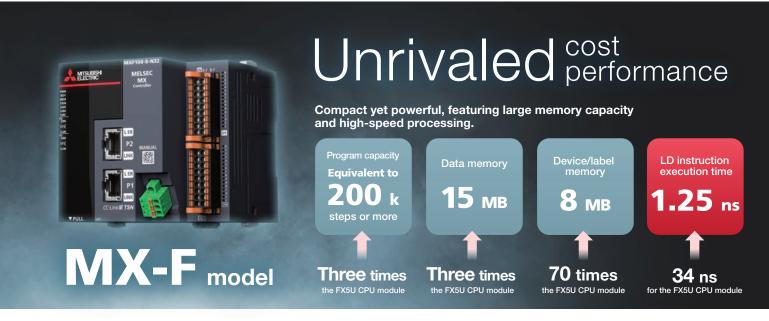
The MX Controller complies with the international security standard for protecting control systems from cyberattacks.

User authentication function

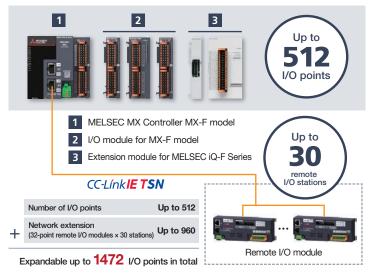
Access and operation permissions can be assigned to individual user, enabling role-based segregation of asset management.



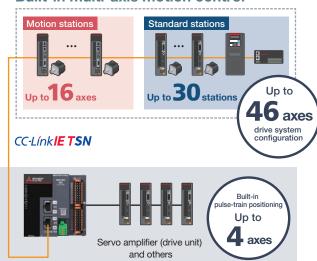
^{*1:} The MX-F model supports up to 16 axes.



Flexible system configuration with a large number of I/O points

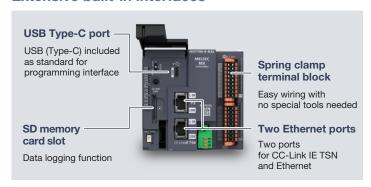


Built-in multi-axis motion control

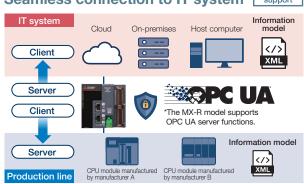


*EtherNet/IP™ will be supported in the future.

Extensive built-in interfaces



Seamless connection to IT system



MITSUBISHI ELECTRIC CORPORATION

Please contact your nearest Mitsubishi Electric representative for more information.

Safety Warning

To ensure proper use of the products in this document, please be sure to read the instruction manual prior to

- EtherNet/IP and DeviceNet are trademarks of ODVA (ODVA, Inc.)

- LetherNet/IP and DeviceNet are trademarks of ODVA (ODVA, Inc.).
 OPC UA and OPC CERTIFIED logo are registered trademarks of OPC Foundation.
 PLCopen is a registered trademark of the association PLCopen.
 All other company names and product names mentioned in this document are either registered trademarks or trademarks of their respective companies.
 In some cases, trademark symbols such as 'TM' or '®' are not specified in this document.