

FACTORY AUTOMATION

MELSEC iQ-F

Programmable compact controllers



Mid-Performance promotion sets

- Powerful motion control in compact application
- Flexible architecture with great extensibility
- Reliable operation with Long service life

iQ-F Series Overview

Discover the vast range of possibilities available thanks to the proven, compact and powerful iQ-F. Designed for medium-sized industrial applications, the iQ-F series delivers high-speed processing, seamless connectivity, and built-in motion control in a compact and cost-effective package. Seamlessly integrate into existing systems while providing the power and flexibility to tackle future automation and IoT challenges.



Scalability

The iQ-F Series grows with your automation needs. From standalone machines to networked systems, its modular design expandability lets you add I/O, motion, and communication modules effortlessly, allowing you to cater your system exactly to your needs. Meet your requirements with over 90 extensions for all applications.



Simple Motion

Our Simple Motion modules, available in the **iQ-F Series** offer a wide range of control, synchronisation and camming functions. With simple parameter settings and PLC programs, you can use these functions effortlessly and optimise your motion control with **very short communication cycle of 125 µs over CC-Link IE TSN** as a Simple Motion modules **FX5-40SSC-G or FX5-80SSC-G** are also masters of this innovative network protocol.

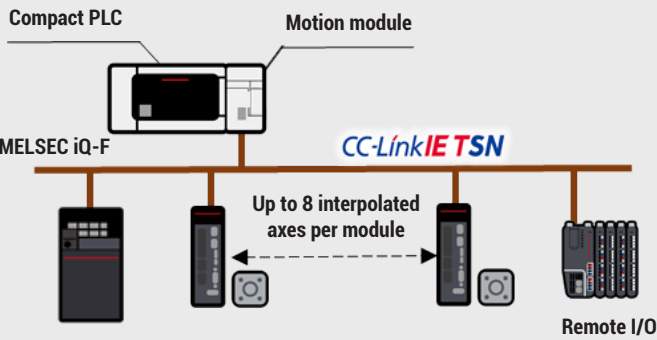
With either 4 or 8-axis motion modules, up to 3 of them can be connected to a single iQ-F CPU, allowing even **24 axes can be fully controlled in total, with a network bandwidth of 1 Gbps.**

Simple Motion modules with iQ-F series are the best solution for Mitsubishi Electric new **servo**

series MR-JET-G-HS allowing the user to use its best functionality like **3.2 kHz speed frequency response, advanced safety functions over the network in standard and 24-bit, absolute, battery-less encoders.**



Networking



Using the high-speed, real-time, CC-Link IE TSN communication, we can connect up to 24 various devices for one master station ensuring the highest performance with cycle time below 1ms. CC-Link IE TSN network provide simple network configuration thanks to coexistence of information from control equipment and general-purpose devices.

Programming Environment for PLC & Motion

GX Works3 is a **powerful programming environment** for all Mitsubishi Electric PLC & Motion systems. With a graphical and intuitive user interface and easy programming according to IEC 61131-3, GX Works3 offers a **user-friendly experience.**

The simple operation and extensive diagnostic functions help to reduce development costs and enable efficient troubleshooting. GX Works3 is a license software with one-off costs and free updates.

All additional functions, such as Simple Motion or the real-time monitor, are included as standard.



GX Works3

Promotion Sets

Order Number	Product Name	Description	Price
741155	FX5UC-32MT/DSS-TS-SM4-G	FX5UC;CPU;DC;16In;16OutTrans.src;Eth;RS-485;spring clamp;SM4Ax(CCL IE TSN)	750
741156	FX5U-32MT/DSS-SM4-G	FX5U;CPU;DC;16In;16OutTrans.src;3xAnalog;Eth;RS-485;SM4Ax(CCL IE TSN)	750
741157	FX5U-32MT/ESS-SM4-G	FX5U;CPU;AC;16In;16OutTrans.src;3xAnalog;Eth;RS-485;SM4Ax(CCL IE TSN)	750
741158	FX5UC-32MT/DSS-TS-SM8-G	FX5UC;CPU;DC;16In;16OutTrans.src;Eth;RS-485;spring clamp;SM8Ax(CCL IE TSN)	800
741159	FX5U-32MT/DSS-SM8-G	FX5U;CPU;DC;16In;16OutTrans.src;3xAnalog;Eth;RS-485;SM8Ax(CCL IE TSN)	800
741160	FX5U-32MT/ESS-SM8-G	FX5U;CPU;AC;16In;16OutTrans.src;3xAnalog;Eth;RS-485;SM8Ax(CCL IE TSN)	800

Engineering Software

Order Number	Product Name	Description	Price
736449	iQ Works	iQ Works, incl. Navigator/GX Works/GT Works/MT Works, English, 1 Licence Email	400
736442	GX Works3	PLC Programming Software for MELSEC iQ-R/F, English, 1 Licence Email	240

*The campaign is limited while supplies last



Mitsubishi Electric's e-F@ctory concept utilises both FA and IT technologies to reduce the total cost of development, production and maintenance, with the aim of achieving manufacturing that is 'one step Ahead of the curve'. It is supported by e-F@ctory Alliance partners covering software, equipment and system integration, creating the optimal e-F@ctory architecture to meet end customers' needs and investment plans.



Central and Eastern European Offices

 **Poland**
Mitsubishi Electric Europe B.V.
ul. Krakowska 48
PL-32-083 Balice
Phone: +48 (0) 12 347 65 00

 **Czech Rep.**
Mitsubishi Electric Europe B.V.
Pekařská 621/7
CZ-155 00 Praha 5
Phone: +420 734 402 587

 **Hungary**
Mitsubishi Electric Europe B.V.
Budaörs Office Park, Building A, 3rd Floor,
Szabadság street 117
HU-2040 Budapest
Phone: +36 70 364 1608

 **Slovakia**
Mitsubishi Electric Europe B.V.
Levická 7
SK-949 01 Nitra
Phone: +421 917 624036

 **Romania**
Mitsubishi Electric Europe B.V.
22, Tudor Vladimirescu Street, Floor 6, Office 4.2,
District 5 – Bucharest
Phone: +40 31 229 0840

 **Romania**
Mitsubishi Electric Europe B.V. Office in Timisoara
Timisoara, 85A Calea Aradului Street, 2nd Floor,
Timis county
Phone: +40 735317178

Representatives

 **Bosnia and Herzegovina**
AM Pneumatik d.o.o.
Krecanska 15A/PP-1,
SI-75000 Tuzla
Phone: +387 35 364 430

 **Bosnia and Herzegovina**
INEA RBT d.o.o.
Stegne 11
SI-1000 Ljubljana
Phone: +386 (0)1 / 513 8116

 **Bulgaria**
AKHNATON
4 Andrei Ljapchev Blvd., PO Box 21
BG-1797 Sofia
Phone: +359 (0)2 / 817 6000

 **Bulgaria**
PM Electrical Ltd.
ulitsa Poruchik Nedelcho Bonchev 10,
BG-1528 Sofia
Phone: +359 87 827 6715

 **Croatia**
INEA CR
Losinjska 4 a
HR-10000 Zagreb
Phone: +385 (0)1 / 36 940 - 01 / -02 / -03

 **Czech Rep.**
AUTOCONT CONTROL SYSTEMS spol. s r.o.
Kafkova 1853/3
702 00 Moravská Ostrava
Phone: +420 595 691 150

 **Hungary**
MELTRADE Kft.
Fertő utca 14.
HU-1107 Budapest
Phone: +36 (0)1 / 431-9726

 **Macedonia**
RADE KONCAR-TEP
3rd Macedonian Brigade Blvd,
MK-1000 Skopje
Phone: +389 2 2402 481

 **Poland**
Enel – Dystrybucja Sp. z o.o.
Józefa Sowińskiego 3
PL- 44-101 Gliwice
Phone: (+48) 32 237 61 80

 **Poland**
PG SYSTEMS Sp. z o.o.
Macieja Rataja 12
PL-05-070 Sulejówek
Phone: +48 (22) 499 57 26

 **Poland**
MECON Sp. z o.o.
Xenon Business Park
Śląska 53
PL-81-304 Gdynia
Phone: +48 58 620 85 40

 **Romania**
Sirius Trading & Services
Aleea Lacul Morii Nr. 3, Sector 6
RO-060841 Bucuresti,
Phone: +40 (0)21 / 430 40 06

 **Serbia**
Venting d.o.o.
Beblerjev trg 3,
RS-1000 Ljubljana
Phone: +386 (059) 017 465

 **Serbia**
VitaELKO d.o.o.
Vojvodanska 165,
RS-22304 Novi Banovci
Phone: +381 22/343-197, +381 22/343-198

 **Serbia**
RBT Technologies d.o.o.
Ul. Karadjordjeva 12/217 RS-11300
Smederevo
Phone: +381 69 172 27 25

 **Slovakia**
SIMAP GROUP, a.s.
Dolné Pažite 603/97
SK-911 06 Trenčín
Phone: +421 (0)32 743 04 72

 **Slovenia**
RBT Technologies d.o.o.
Stegne 11
SI-1000 Ljubljana
Phone: +386 1 5138 100

 **Ukraine**
CSC - AUTOMATION Ltd.
4 B, Yevhena Sverstyuka Str.
UA-02002 Kiev
Phone: +380 (0)44 / 494 33 44

Find out more about
our products – scan to explore
the MELSEC iQ-F Series iQ Platform
– compatible PLC catalog



Find out more about our products
– scan to explore the
MELSERVO - JET catalog

