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Production Discontinuation of the Ethernet Communication Special Adapters and Ethernet Interface Blocks of the MELSEC-F Series

■Date of Issue
August 2023
■Relevant Models
FX3U-ENET-ADP, FX3U-ENET, FX3U-ENET-L, FX3U-ENET-P502, SW1D5-FXENETL-E, SW1D5C-FXENET-E

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-F series.
This technical bulletin informs you that production of the following MELSEC-F series models will be discontinued. We appreciate your kind understanding.

1   MODELS TO BE DISCONTINUED

Product	Model
Ethernet communication special adapter	FX3U-ENET-ADP
Ethernet interface block	FX3U-ENET
	FX3U-ENET-L
	FX3U-ENET-P502
FX Configurator-EN-L	SW1D5-FXENETL-E
FX Configurator-EN	SW1D5C-FXENET-E

2   SCHEDULE

• Start of make-to-order production: April 1, 2024
• Order acceptance: Until December 31, 2024
• Production discontinuation: March 31, 2025

3   REASONS FOR DISCONTINUATION

In recent years, as interest in cybersecurity of IoT devices has increased, network vulnerabilities in programmable controller-related products have been pointed out.
The firmware update function cannot be installed to the FX3 series. The only option is to purchase other products that have the function, but it does not lead to prompt defense against cyber attacks.
To keep your equipment and facility more secure, change your system with the FX3 series to that with the MELSEC iQ-F series. The FX3 series Ethernet-related models will be discontinued.

4   REPAIR SUPPORT

Repair acceptance: Until March 31, 2032 (for seven years after the discontinuation of production)
(Note that, even during the repair acceptance period, the repair will not be supported if the parts run out of stock.)
FX Configurator-EN-L and FX Configurator-EN are not covered by repair.

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5　ALTERNATIVE MODELS

FX3U-ENET-ADP

The following table lists the alternative models for the system including the FX3U-ENET-ADP.

Current model (MELSEC-F series)	Alternative model (MELSEC iQ-F series)[*1]
FX3U main unit + FX3U-ENET-ADP	FX5UJ, FX5U, or FX5UC CPU module
FX3G main unit + FX3U-ENET-ADP	FX5S or FX5UJ CPU module
FX3S main unit + FX3U-ENET-ADP	FX5S CPU module

*1　When the MELSEC iQ-F series are used, GX Works3 is required.

FX3U-ENET-L

The following table lists the alternative models for the system including the FX3U-ENET-L.

Current model (MELSEC-F series)	Required function	Alternative model (MELSEC iQ-F series)[*1]
FX3U main unit + FX3U-ENET-L FX3G main unit + FX3U-ENET-L	E-mail send function	FX5UJ, FX5U, or FX5UC CPU module + FX5-ENET[*2]
	Functions other than the E-mail send function	FX5S, FX5UJ, FX5U, or FX5UC CPU module

*1　When the MELSEC iQ-F series are used, GX Works3 is required.
*2　Use the modules manufactured on and after April 2023.

FX3U-ENET and FX3U-ENET-P502

The following table lists the alternative models for the system including the FX3U-ENET.

Current model (MELSEC-F series)	Required function	Alternative model (MELSEC iQ-F series)[*1]
FX3U main unit + FX3U-ENET FX3U main unit + FX3U-ENET-P502 FX3G main unit + FX3U-ENET FX3G main unit + FX3U-ENET-P502	E-mail send function	FX5UJ, FX5U, or FX5UC CPU module + FX5-ENET[*2]
	E-mail receive function	—
	Functions other than the E-mail send/receive function	FX5S, FX5UJ, FX5U, or FX5UC CPU module

*1　When the MELSEC iQ-F series are used, GX Works3 is required.
*2　Use the modules manufactured on and after April 2023.

6　COMPARISON OF SPECIFICATIONS

The following table shows the specifications comparison between the models to be discontinued and alternative models (MELSEC iQ-F series).

FX3U-ENET-ADP and FX3U-ENET-L

Item		Model to be discontinued		Alternative models	
		FX3U-ENET-ADP	**FX3U-ENET-L**	**FX5S, FX5UJ, FX5U, or FX5UC CPU module**	**FX5-ENET**
Available functions		MELSOFT connection		MELSOFT connection	
		Communication using the MC protocol (1E frame)		SLMP server function (1E/3E frame)	
		MELSOFT direct connection	—	MELSOFT direct connection	
		Find CPU function	—	Find CPU function	
		Time setting function (SNTP client)	—	SNTP client function	—
		—	E-mail send function	—	E-mail send function
		Data monitoring function	—	Web server function	
		—	Communications using the fixed buffer	Socket communication function	
Maximum number of connections		4	4	8^{*1}	32^{*2}
Current consumption of extension devices	External 24VDC	—	240mA	Not supported^{*3}	—
	Internal 5VDC	30mA	—		—
	Internal 24VDC	—	—		110mA

*1　For details, refer to the following.
　　📖 MELSEC iQ-F FX5 User's Manual (Communication)
*2　For details, refer to the following.
　　📖 MELSEC iQ-F FX5-ENET User's Manual
*3　For details, refer to the following.
　　📖 MELSEC iQ-F FX5S/FX5UJ/FX5U/FX5UC User's Manual (Hardware)

FX3U-ENET and FX3U-ENET-P502

Item		Model to be discontinued	Alternative models	
		FX3U-ENET **FX3U-ENET-P502**	**FX5S, FX5UJ, FX5U, or FX5UC CPU module**	**FX5-ENET**
Available functions		MELSOFT connection	MELSOFT connection	
		Communication using the MC protocol (1E frame)	SLMP server function (1E/3E frame)	
		E-mail send function	—	E-mail send function
		E-mail receive function	—	—
		Communications using the fixed buffer	Socket communication function	
Maximum number of connections		8	8^{*1}	32^{*2}
Current consumption of extension devices	External 24VDC	240mA	Not supported^{*3}	—
	Internal 5VDC	—		—
	Internal 24VDC	—		110mA

*1　For details, refer to the following.
　　📖 MELSEC iQ-F FX5 User's Manual (Communication)
*2　For details, refer to the following.
　　📖 MELSEC iQ-F FX5-ENET User's Manual
*3　For details, refer to the following.
　　📖 MELSEC iQ-F FX5S/FX5UJ/FX5U/FX5UC User's Manual (Hardware)

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REVISIONS

Version	Date of Issue	Revision
A	August 2023	First edition

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