

**Production Discontinuation of MELSEC iQ-R Series MES Interface Module,
RD81MES96**

■Date of Issue

December 2019

■Relevant Models

RD81MES96

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC iQ-R series.
We announce that MELSEC iQ-R series MES interface module, RD81MES96 will be discontinued, as explained below.

1 MODEL TO BE DISCONTINUED

Product	Model
MES interface module	RD81MES96

2 SCHEDULE

- Transition to made-to-order: February 28, 2020
- Order acceptance: Through April 28, 2020
- Production discontinuation: May 29, 2020

3 REASONS FOR DISCONTINUING PRODUCTION

The upward compatible module type (RD81MES96N) was released in October 2019.

4 REPAIR ACCEPTANCE

- Repair support period: Until May 31, 2027 (for seven years after the discontinuation of production)

5 ALTERNATIVE MODEL

Product	Model	
	Model to be discontinued	Alternative model
MES interface module	RD81MES96	RD81MES96N

6 COMPARISON BETWEEN THE MODULES TO BE DISCONTINUED AND THE MODULE TO BE REPLACED

6.1 Performance Specifications

Hardware specifications

There are no performance specification changes for hardware.

As a difference in an external appearance, RD81MES96N has the LICENSE LED display.


LICENSE LED indicates the certification status of a license when using an option function that requires license certification.

Software specifications

Differences in functions between the module type to be discontinued and the alternative model are as follows.

Item			RD81MES96	RD81MES96N
Basic operation specification	Trigger condition	Configuration type	<ul style="list-style-type: none"> • Single event • Multiple events • Condition combination event • Precondition × Event • Single handshake 	<ul style="list-style-type: none"> • Single event • Multiple events • Condition combination event • Precondition × Event • Single handshake • Multiple handshake
Device memory input/output	Access target device	Maximum	16 devices	64 devices
		Access target device type	<ul style="list-style-type: none"> • RCPU • QCPU (Q mode) • LCPU 	<ul style="list-style-type: none"> • RCPU • QCPU (Q mode) • LCPU • FX5CPU • FXCPU
DB input/output	Access target server	Access type	Connection via service	<ul style="list-style-type: none"> • Connection via service • Direct DB connection
	Access field/procedure argument	Data type	<ul style="list-style-type: none"> • Integer • Real number • Real number [floating point] • Character string [Unicode] • Character string [Unicode(NCHAR)] • Character string [Unicode(CHAR)] • Date and time 	<ul style="list-style-type: none"> • Integer • Real number • Real number [floating point] • Real number [fixed point] • Character string [Unicode] • Character string [Unicode(NCHAR)] • Character string [Unicode(CHAR)] • Date and time

For details, refer to the following:

 MELSEC iQ-R MES Interface Module User's Manual (Startup)

6.2 Supported Software Packages

For RD81MES96N settings, use any of the following versions of MES Interface Function Configuration Tool and an engineering tool.

- MES Interface Function Configuration Tool stored in MX MESInterface-R the version of which is '1.10L' or later
- GX Works3 the version of which is '1.060N' or later

7 REPLACEMENT METHOD

This chapter shows the method outline for replacing an RD81MES96 with an RD81MES96N.

Point

For details on the replacement procedure, refer to the following:

 MELSEC iQ-R MES Interface Module User's Manual (Application)

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7.1 Utilizing System Settings

This section explains the procedure for utilizing an engineering tool project file of a system that uses an RD81MES96. When the project file is not saved, read and save the file before the replacement.

1. Open a project file of the control CPU of an RD81MES96 in GX Works3.
2. Change the module type for "I/O Assignment Setting" to "RD81MES96N" in parameters.
3. Configure module parameter settings of the RD81MES96 to module parameters of an RD81MES96N.
4. Delete the module parameters of the RD81MES96 from the project.
5. Write the parameters to the control CPU.

The parameters are enabled when resetting the CPU module or turning the power OFF and ON.

7.2 Utilizing MES Interface Module Settings

Follow the procedure below.

When using a saved project file

Utilize a project file of an RD81MES96 in MES Interface Function Configuration Tool and write the file to an RD81MES96N. When the project file is not saved, read and save the file before the replacement.

1. Turn the power of the CPU module OFF.
2. Remove the RD81MES96 from the base unit, and mount an RD81MES96N.
3. Turn the power of the CPU module ON.
4. Open a project file of an RD81MES96 in MES Interface Function Configuration Tool.
5. Write the project file to the RD81MES96N in MES Interface Function Configuration Tool.
6. Perform either of the following operations:
 - Turn the power of the CPU module OFF and ON.
 - Reset the CPU module.

When using an SD memory card

Use the SD memory card that is inserted to an RD81MES96.

When a failure occurs in an RD81MES96, replace the module according to this procedure.

1. Turn the power of the CPU module OFF.
2. Remove the SD memory card from the RD81MES96.
3. Remove the RD81MES96 from the base unit, and mount an RD81MES96N.
4. Insert the SD memory card into the RD81MES96N.
5. Turn the power of the CPU module ON.

REVISIONS

Version	Date of Issue	Revision
A	December 2019	First edition

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