


TERMS

Unless otherwise specified, this manual uses the following terms.

Term	Description
Account	A right to use MES interface module or a server, or an ID necessary for their use.
Action	A unit for processing defined in a job. There are three kinds of actions: DB communication action for communicating with a database, operation action for calculating values of device tag component, and external communication action for executing programs in an application server. The DB communication action is a processing unit for sending one SQL statement (Select, Update, Insert, Multiple Select, or Delete) or one DB procedure execution request. The operation action is a processing unit for performing a maximum of 20 binary operations.
Configuration personal computer	A personal computer to set various settings required for operating MES interface module. This computer can be shared with a server.
Data source	Connection information which is necessary for accessing data using ODBC. With Windows, a data source name is assigned to connection information for management. The database is accessed via ODBC by specifying the data source name with the information linkage function.
Database (DB) or relational database (RDB)	Data management method that follows relational data model logic. A piece of data is expressed as a collection of multiple items (fields) and a data collection is expressed as a table. Data can be easily merged and selected using key data.
DB buffering	A function that temporarily stores SQL statements, that failed to be sent due to a communication error, to an SD memory card, and resends them when the communications have been recovered.
DB procedure	A program that combines sequential processing procedures into one program against the database, and saves it to the database management system. This performs processing based on arguments received from MES interface module, and returns the results to MES interface module.
Device memory or device	Various kinds of memory data in a CPU module. There are devices handled in each bit and in each word.
Device tag (Tag)	Data table that contains a set of information (component) required to access device data in each CPU module on a network. MES interface module collects device data for each tag at an interval defined in the tag.
Device tag component (component)	A generic term for components (device data) which configures a device tag. Data that contains communication routes, data types, devices, etc. required to access device data in each CPU module.
Engineering tool	A tool used for setting up programmable controllers, programming, debugging, and maintenance. For the supported tools, refer to the following:  MELSEC iQ-R Module Configuration Manual
FX5CPU	A generic term for MELSEC iQ-F series CPU modules.
FXCPU	A generic term for MELSEC-F series CPU modules.
Handshake	A generic term for single handshakes and multiple handshakes. For highly reliable processing, devices in a CPU module are used for managing processing between the CPU module and MES interface module.
High-speed access	A generic term for the following access types. <ul style="list-style-type: none"> • High-speed access (interval specification) • High-speed access (each scan)
Item	A setting group unit that each setting type in the edit items has.
Job	A unit of process for linking information by a MES interface module.
LCPU	A generic term for MELSEC-L series CPU modules.
MES	An abbreviation for Manufacturing Execution Systems. A system for controlling and monitoring the plant status in real time to optimize production activities. The system enables to speed up responses to changes of a production plan and situation that lead to efficient production processes and optimization of production activities.
MES Interface Function Configuration Tool	An abbreviation for MELSEC iQ-R series MES Interface Function Configuration Tool.
MES interface module	An abbreviation for RD81MES96 and RD81MES96N MES interface modules.
MX MESInterface-R	A product name for SW1DND-RMESIF-E.
Network module	A generic term for the following modules: <ul style="list-style-type: none"> • CC-Link IE Controller Network module • CC-Link IE Field Network module • MELSECNET/H network module • Ethernet interface module • CC-Link module
QCPU (Q mode)	A generic term for MELSEC-Q series CPU modules and MELSEC-Q series C Controller modules.