

BFP-A6079-0405E

Notice of Modbus TCP support

■ Issued
February 2026

■ Applicable Model
MELFA FR series , MELFA CR series and MELFA ASSISTA series

We would like to express our gratitude for your patronage of MELFA, a Mitsubishi Electric industrial robot. As of software version E4, Modbus TCP can be used. Details of the release are as follows:

1. Contents

CR800 series controllers support Modbus TCP slave stations from software version E4.

This enables communication with a master station such as a sequencer or a personal computer (Modbus TCP standard functions), and Input/output with the robot controller signals and registers is possible.

The main specifications are as follows. For details, refer to the Ethernet Function Owner's Manual.

Revised versions of related manuals and catalogs will be released in due course.

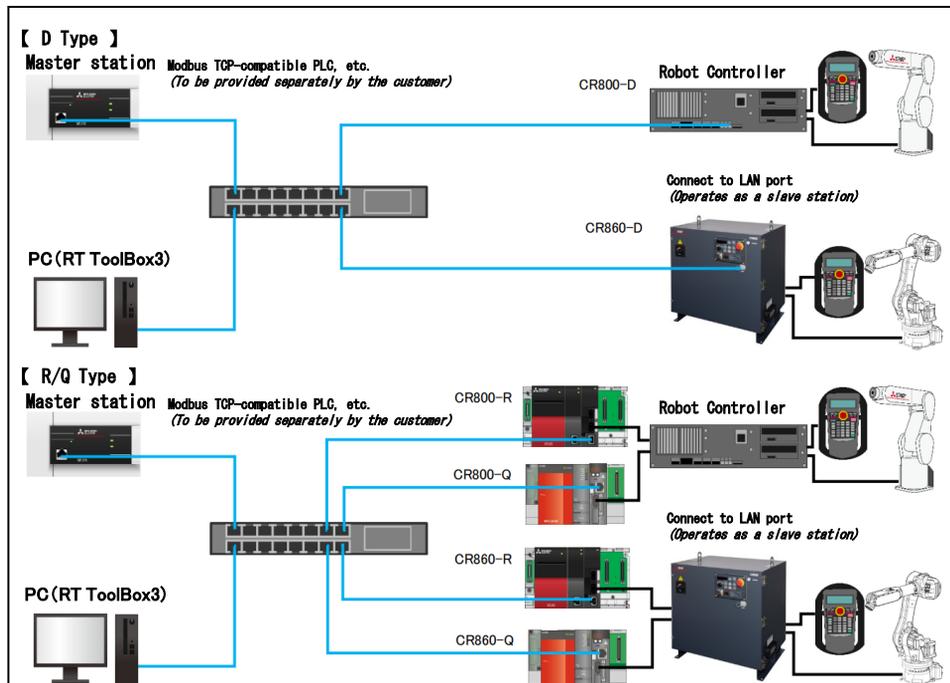
Item	After Release	Pre-Release
Software Version	E4 version	E4 or earlier
Engineering Tools (RT ToolBox3)	Ver 2.70Y	Ver. 2.60 N or earlier
Interface	Internal Ethernet port	
Ethernet Features	Controller communication function Data link function Real-time external control function Real-time monitoring function SLMP Features CC-Link IE Field Basic function NEW Modbus TCP (slave)	Controller communication function Data link function Real-time external control function Real-time monitoring function SLMP Features CC-Link IE Field Basic Features

2 Product Features

Supports the world standard communication standard "Modbus TCP."

Any device that supports Modbus TCP, such as our company product or a third party PLC, touch panel, or PC software, can perform direct I/O control without a special conversion adapter. By assigning it as a dedicated output signal, servo ON/OFF, program selection, start, stop, etc. can be controlled from the master station.

The network can be built using only standard LAN cables and switching hubs, reducing deployment costs.



Item	Specifications	Remarks
master/slave system	Slave method only	
Number of units that can communicate	1	Only one master station for communication
RTU/ASCII mode	RTU mode (binary) only	
UDP/TCP	Supports both UDP and TCP	Selectable by parameter
communication speed	Depends on network speed	
Topology	Stars, lines, trees, etc.	Common Ethernet Topologies
Use with other network functions	The following cannot be used together • SLMP Features • CC-Link • CC-Link IE Field Network • CC-Link IE Field Basic Features • CC-Link IE TSN • EtherCAT	• The company and product names in this document are the trademarks or registered trademarks of their respective companies. • In this manual, R and TM are abbreviated. • EtherCAT® licensed by Beckhoff Automation GmbH (Germany) It is a patented technology and registered trademark.